



BUILDING CODE COMPLIANCE OFFICE (BCCO)
PRODUCT CONTROL DIVISION

MIAMI-DADE COUNTY, FLORIDA
METRO-DADE FLAGLER BUILDING

140 WEST FLAGLER STREET, SUITE 1603
MIAMI, FLORIDA 33130-1563
(305) 375-2901 FAX (305) 375-2908

NOTICE OF ACCEPTANCE (NOA)

www.miamidade.gov

Eastern Metal Supply, Inc.
4268 West Roads Drive
West Palm Beach, Florida 33407

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed by Miami-Dade County Product Control Division and accepted by the Board of Rules and Appeals (BORA) to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Division (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. BORA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Division that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the High Velocity Hurricane Zone of the Florida Building Code.

DESCRIPTION: 0.050" Perforated Bertha Aluminum Storm Panels Shutter

APPROVAL DOCUMENT: Drawing No. 06-290, titled "0.050" Perforated Bertha Aluminum Storm Panel", sheets 1 through 15 of 15 and sheet 1A, prepared by Tilteco, Inc., dated 11/20/2006, last revision #2 dated August 03, 2007, signed and sealed by Walter A. Tillit Jr., P.E., bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and expiration date by Miami-Dade County Product Control Division.

MISSILE IMPACT RATING: Large and Small Missile Impact

LABELING: Each panel shall bear a permanent label with the manufacturer's name or logo, city, state and the following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA **revises & renews** NOA # 01-1107.01 and consists of this page 1, evidence submitted pages E-1 & E-2 as well as approval document mentioned above.

The submitted documentation was reviewed by **Helmy A. Makar, P.E., M.S.**



Helmy A. Makar
08/30/2007

NOA No. 07-0111.02
Expiration Date: 03/21/2012
Approval Date: 08/30/2007
Page 1

Eastern Metal Supply, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL #01-1107.01

A. DRAWINGS

1. *Drawing No. 01-251, titled "0.050" Perforated Bertha Aluminum Storm Panel", sheets 1 through 15 of 15, prepared by Tilteco, Inc., dated August 27, 2001, last revision #1 dated February 21, 2002, signed and sealed by Walter A. Tillit Jr., P.E.*

B. TESTS

1. *Test reports on 1) Uniform Static Air Pressure Test, per SFBC PA 202-94
2) Large Missile Impact Test per SFBC, PA 201-94
3) Cyclic Wind Pressure Loading per SFBC, PA 203-94
along with marked-up drawings and installation diagram of 0.050" Perforated Aluminum Storm Panels Shutter, prepared by ATL of South Florida, Test Report No. 0221.01-01, dated 05/02/01, signed and sealed by Henry Hattem, P.E.*
2. *Addendum to ATL of South Florida, Test Report No. 0221.01-01, dated 10/12/01, signed and sealed by Henry Hattem, P.E.*
3. *Addendum to ATL of South Florida, Test Report No. 0221.01-01, dated 02/04/02, signed and sealed by Henry Hattem, P.E.*

C. CALCULATIONS

1. *Anchor Analysis, dated 09/10/01, pages 1 through 53, prepared by Tilteco, Inc., signed and sealed by Walter A. Tillit Jr., P.E.*

D. MATERIAL CERTIFICATIONS

1. *Mill Certified Inspection Report of coils, dated 04/24/01, for Aluminum Alloy 3004 -H34 by NA Nichols Aluminum with chemical composition and physical properties.*
2. *Certified Tensile Test Report by QC Metallurgical, Inc., Report No. 1CM-384, dated 03/26/01, signed and sealed by Frank Grate, P.E.*

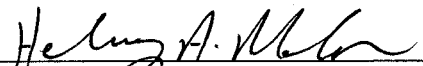
2. NEW EVIDENCE SUBMITTED

A. DRAWINGS

1. *Drawing No. 06-290, titled "0.050" Perforated Bertha Aluminum Storm Panel", sheets 1 through 15 of 15 and sheet 1A, prepared by Tilteco, Inc., dated 11/20/2006, last revision #2 dated August 03, 2007, signed and sealed by Walter A. Tillit Jr., P.E.*

B. TESTS

1. *None.*



Henry A. Makar, P.E., M.S.
Product Control Examiner
NOA No. 07-0111.02
Expiration Date: 03/21/2012
Approval Date: 08/30/2007

Eastern Metal Supply, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

C. CALCULATIONS

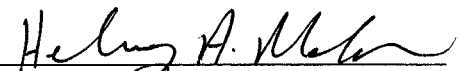
1. *Anchor Analysis, dated 12/08/2006, pages 1 through 120 OF 120, prepared by Tilteco, Inc., signed and sealed by Walter A. Tillit Jr., P.E.*
2. *Revised anchor Analysis, dated 08/07/2007, 4 pages, prepared by Tilteco, Inc., signed and sealed by Walter A. Tillit Jr., P.E.*

D. QUALITY ASSURANCE

1. *By Miami-Dade County Building Code Compliance Office.*

E. MATERIAL CERTIFICATIONS

1. *None.*



Delmy A. Makar, P.E., M.S.
Product Control Examiner
NOA No. 07-0111.02
Expiration Date: 03/21/2012
Approval Date: 08/30/2007

GENERAL NOTES:

1. STORM PANEL SHOWN ON THIS PRODUCT APPROVAL DOCUMENT (P.A.D.) HAS BEEN VERIFIED FOR COMPLIANCE IN ACCORDANCE WITH THE 2004 EDITION OF THE FLORIDA BUILDING CODE WITH THE 2005, 2006 & 2007 SUPPLEMENTS.
DESIGN WIND LOADS SHALL BE DETERMINED AS PER SECTION 1620 OF THE ABOVE MENTIONED CODE. IN ORDER TO VERIFY THAT COMPONENTS AND ANCHORS ON THIS P.A.D. AS TESTED WERE NOT OVER STRESSED, A 33% INCREASE IN ALLOWABLE STRESS FOR WIND LOADS WAS NOT USED IN THEIR ANALYSIS. A DURATION FACTOR CD=1.60 WAS USED FOR VERIFICATION OF FASTENERS IN WOOD.
STORM PANEL'S ADEQUACY FOR IMPACT AND FATIGUE RESISTANCE HAS BEEN VERIFIED IN ACCORDANCE WITH SECTION 1609.1.4 OF THE ABOVE MENTIONED CODE AS PER ATL REPORTS # 1022.01-96 AND # 0221.01-01, AS PROTOCOLS TAS-201, TAS-202 AND TAS-203.
2. ALL ALUMINUM SHEET METAL PANELS SHALL HAVE 5052-H32 OR 3004-H34 ALLOY.
3. ALL ALUMINUM EXTRUSIONS SHALL BE ALUMINUM ASSOCIATION 6063-T6 ALLOY & TEMPER UNLESS OTHERWISE NOTED.
4. ALL SCREWS TO BE STAINLESS STEEL 304 OR 316 AISI SERIES OR CORROSION RESISTANT COATED CARBON STEEL AS PER DIN 50018 W/ 50 ksi YIELD STRENGTH AND 90 ksi TENSILE STRENGTH.
5. BOLTS TO BE ASTM A-307 GALVANIZED STEEL OR AISI 304 SERIES STAINLESS STEEL, WITH 35 ksi MINIMUM YIELD STRENGTH.
6. ANCHORS TO WALL SHALL BE AS FOLLOWS: (UNLESS OTHERWISE NOTED)

- (A) TO EXISTING POURED CONCRETE:
- 1/4" Ø TAPCON ANCHORS AS MANUFACTURED BY I.T.W. BUILDEX. (REGULAR OR 410 S.S.)
USE MIN. f'c = 3192 psi
 - 1/4" Ø CRETE-FLEX SS4 ANCHORS AS MANUFACTURED BY ELCO TEXTRON.
USE MIN. f'c = 3350 psi.
 - 1/4" Ø CF TAP-GRIP ANCHORS (BERTHA STUD-CON), AS MANUFACTURED BY TRU-FAST CORPORATION.
USE MIN. f'c = 3600 psi.
 - 1/4" Ø ZAMAC NAILIN ANCHORS AS MANUFACTURED BY POWER FASTENERS, INC.
USE MIN. f'c = 2000 psi.
 - 1/4" Ø x 7/8" CALK-IN ANCHORS OR ELCO male & female "PANELMATE" OR ELCO male & female "PANELMATE PLUS" AS MANUFACTURED BY POWER FASTENERS, INC. AND ELCO TEXTRON, RESPECTIVELY. USE MIN. f'c = 2000 psi. & 3350 psi RESPECTIVELY.

NOTES:

- A.1) MINIMUM EMBEDMENT INTO POURED CONCRETE OF TAPCON ANCHORS OR CRETE-FLEX SS4 IS 1 3/4"; FOR ZAMAC NAILIN ANCHORS IS 1 3/8"; FOR ELCO PANELMATE AND ELCO MALE "PANELMATE PLUS" ANCHORS IS 2", AND FOR CF TAP-GRIP ANCHORS IS 1 1/4".
- A.2) 7/8" CALK-IN ANCHORS SHALL BE ENTIRELY EMBEDDED INTO THE POURED CONCRETE. NO EMBEDMENT INTO STUCCO SHALL BE PERMITTED. 1/4"Ø-20 SCREWS USED SHALL BE 1 1/2" LONG MINIMUM SHOULD STUCCO EXIST, AND 1" MINIMUM FOR WALLS WITH NO STUCCO.
- A.3) IN CASE THAT PRECAST STONE, PRECAST CONCRETE PANELS, OR PAVERS BE FOUND ON THE EXISTING WALL OR FLOOR, ANCHORS SHALL BE LONG ENOUGH TO REACH THE MAIN STRUCTURE BEHIND SUCH PANELS, ANCHORAGE SHALL BE AS INDICATED ON NOTES A.1) & A.2) ABOVE.
- (B) TO EXISTING CONCRETE BLOCK WALL: ASTM C-90.
- 1/4" Ø TAPCON ANCHORS AS MANUFACTURED BY I.T.W. BUILDEX. (REGULAR OR 410 S.S.)
 - 1/4" Ø CRETE-FLEX SS4 ANCHORS AS MANUFACTURED BY ELCO TEXTRON.
 - 1/4" Ø CF TAP-GRIP ANCHORS (BERTHA STUD-CON), AS MANUFACTURED BY TRU-FAST CORPORATION.
 - 1/4" Ø ZAMAC NAILIN ANCHORS AS MANUFACTURED BY POWER FASTENERS, INC.
 - 1/4" Ø x 7/8" CALK-IN ANCHORS OR ELCO male & female "PANELMATE" OR ELCO male & female "PANELMATE PLUS" AS MANUFACTURED BY POWER FASTENERS, INC. AND ELCO TEXTRON, RESPECTIVELY.

NOTES:

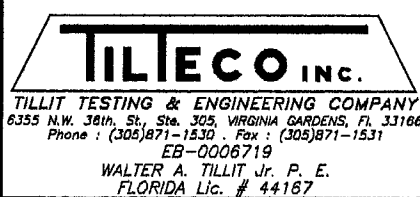
- B.1) MINIMUM EMBEDMENT OF TAPCON, ELCO PANELMATE AND ELCO MALE "PANELMATE PLUS" CF TAP-GRIP AND CRETE-FLEX SS4 ANCHORS INTO CONCRETE BLOCK UNIT SHALL BE 1 1/4"; 1 3/8" FOR ZAMAC NAILIN ANCHORS.
- B.2) 7/8" CALK-IN ANCHORS SHALL BE ENTIRELY EMBEDDED INTO THE CONCRETE BLOCK UNIT. NO EMBEDMENT INTO STUCCO SHALL BE PERMITTED. 1/4"Ø-20 SCREWS USED SHALL BE 1 1/2" LONG MINIMUM SHOULD STUCCO EXIST, AND 1" MINIMUM FOR WALLS WITH NO STUCCO.
- B.3) IN CASE THAT PRECAST STONE OR PRECAST CONCRETE PANELS BE FOUND ON THE EXISTING WALL, ANCHORS SHALL BE LONG ENOUGH TO REACH THE MAIN STRUCTURE BEHIND SUCH PANELS. ANCHORAGE SHALL BE AS INDICATED ON NOTES IN B.1) AND B.2) ABOVE.
- (C) ANCHORS SHALL BE INSTALLED FOLLOWING ALL OF THE RECOMMENDATIONS AND SPECIFICATIONS OF THE ANCHOR'S MANUFACTURER.
7. PANELS MAY ALSO BE INSTALLED HORIZONTALLY FOLLOWING INSTALLATION DETAILS SHOWN ON SECTIONS 1 THRU 15 (SHEET 3 & 7 OF 15) EXCEPT THAT HEADERS 2, 3 & 4 SHALL NOT BE USED.
8. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE SOUNDNESS OF THE STRUCTURE WHERE SHUTTER IS TO BE ATTACHED TO INSURE PROPER ANCHORAGE. THIS SHUTTER SHALL ONLY BE ATTACHED TO CONCRETE, BLOCK OR WOOD FRAME BUILDINGS.
9. THE INSTALLATION CONTRACTOR IS TO SEAL/CAULK ALL SHUTTER COMPONENT EDGES WHICH REMAIN IN CONTINUOUS CONTACT WITH THE BUILDING TO PREVENT WIND/RAIN INTRUSION.
10. STORM PANEL INSTALLATION SHALL COMPLY WITH SPECS INDICATED IN THIS DRAWING PLUS ANY BUILDING AND ZONING REGULATIONS PROVIDED BY THE JURISDICTION WHERE PERMIT IS APPLIED TO.
11. (a) THIS PRODUCT APPROVAL DOCUMENT (P.A.D.) PREPARED BY THIS ENGINEER IS GENERIC AND DOES NOT PROVIDE INFORMATION FOR A SITE SPECIFIC PROJECT; I.E. WHERE THE SITE CONDITIONS DEVIATE FROM THE P.A.D.
- (b) CONTRACTOR TO BE RESPONSIBLE FOR THE SELECTION, PURCHASE AND INSTALLATION INCLUDING LIFE SAFETY OF THIS PRODUCT BASED ON THIS P.A.D. PROVIDED HE/SHE DOES NOT DEVIATE FROM THE CONDITIONS DETAILED ON THIS DOCUMENT. CONSTRUCTION SAFETY AT SITE IS THE CONTRACTOR'S RESPONSIBILITY.
- (c) THIS PRODUCT APPROVAL DOCUMENT WILL BE CONSIDERED INVALID IF MODIFIED.
- (d) SITE SPECIFIC PROJECTS SHALL BE PREPARED BY A FLORIDA REGISTERED ENGINEER OR ARCHITECT WHICH WILL BECOME THE ENGINEER OF RECORD (E.O.R.) FOR THE PROJECT AND WHO WILL BE RESPONSIBLE FOR THE PROPER USE OF THE P.A.D. ENGINEER OF RECORD, ACTING AS A DELEGATED ENGINEER TO THE P.A.D. ENGINEER, SHALL SUBMIT TO THIS LATTER THE SITE SPECIFIC DRAWINGS FOR REVIEW.
- (e) THIS P.A.D. SHALL BEAR THE DATE AND ORIGINAL SEAL AND SIGNATURE OF THE PROFESSIONAL ENGINEER OF RECORD THAT PREPARED IT.

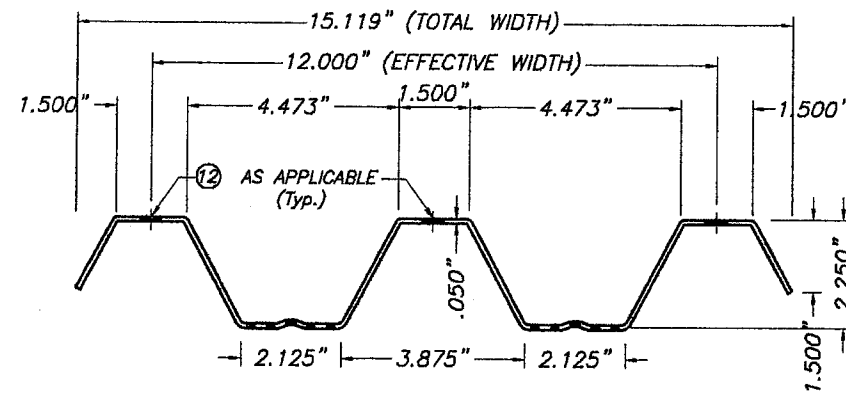
12. SHUTTER MANUFACTURER'S LABEL SHALL BE PLACED ON A READILY AND VISIBLE LOCATION AT PANEL. ONE LABEL SHALL BE PLACED FOR EVERY PANEL.
LABEL SHALL READ AS FOLLOWS:
EASTERN METAL SUPPLY, INC.
WEST PALM BEACH, FL.
MIAMI-DADE COUNTY PRODUCT CONTROL APPROVED.

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 07-0111.02
Expiration Date 03/21/2012
By *Heather A. Miller*
Miami Dade Product Control
Division

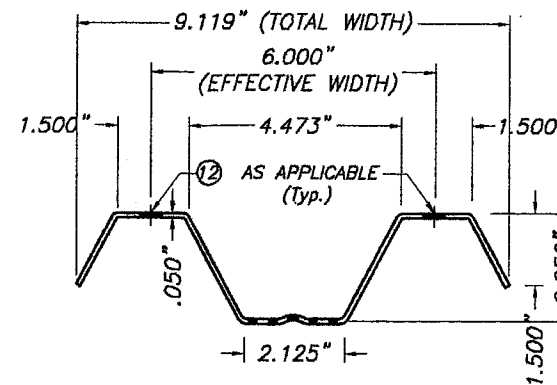
F.B.C.(H.V.H.Z.)/MIAMI-DADE COUNTY

David
AUG 03 2007

 <p>TILLIT TESTING & ENGINEERING COMPANY 6355 N.W. 38th St., Ste. 305, VIRGINIA GARDENS, FL 33166 Phone: (305)871-1530 Fax: (305)871-1531 EB-0006719 WALTER A. TILLIT Jr., P. E. FLORIDA Lic. # 44167</p>		0.050" PERFORATED BERTHA ALUMINUM STORM PANEL		DRAWN BY I.A.	
EASTERN METAL SUPPLY, INC		4268 WESTROADS DRIVE WEST PALM BEACH, FL 33407 PH: (561)-533-6061 FAX: (561)-588-4780		11/20/06 DATE	
REV. No		DESCRIPTION		DATE	
1		OLD 03-143		11/20/06	
2		GENERAL		08/03/07	
REV. No		DESCRIPTION		DATE	
3		-		-	
4		-		-	
06-290 DRAWING No				SHEET 1 OF 15	



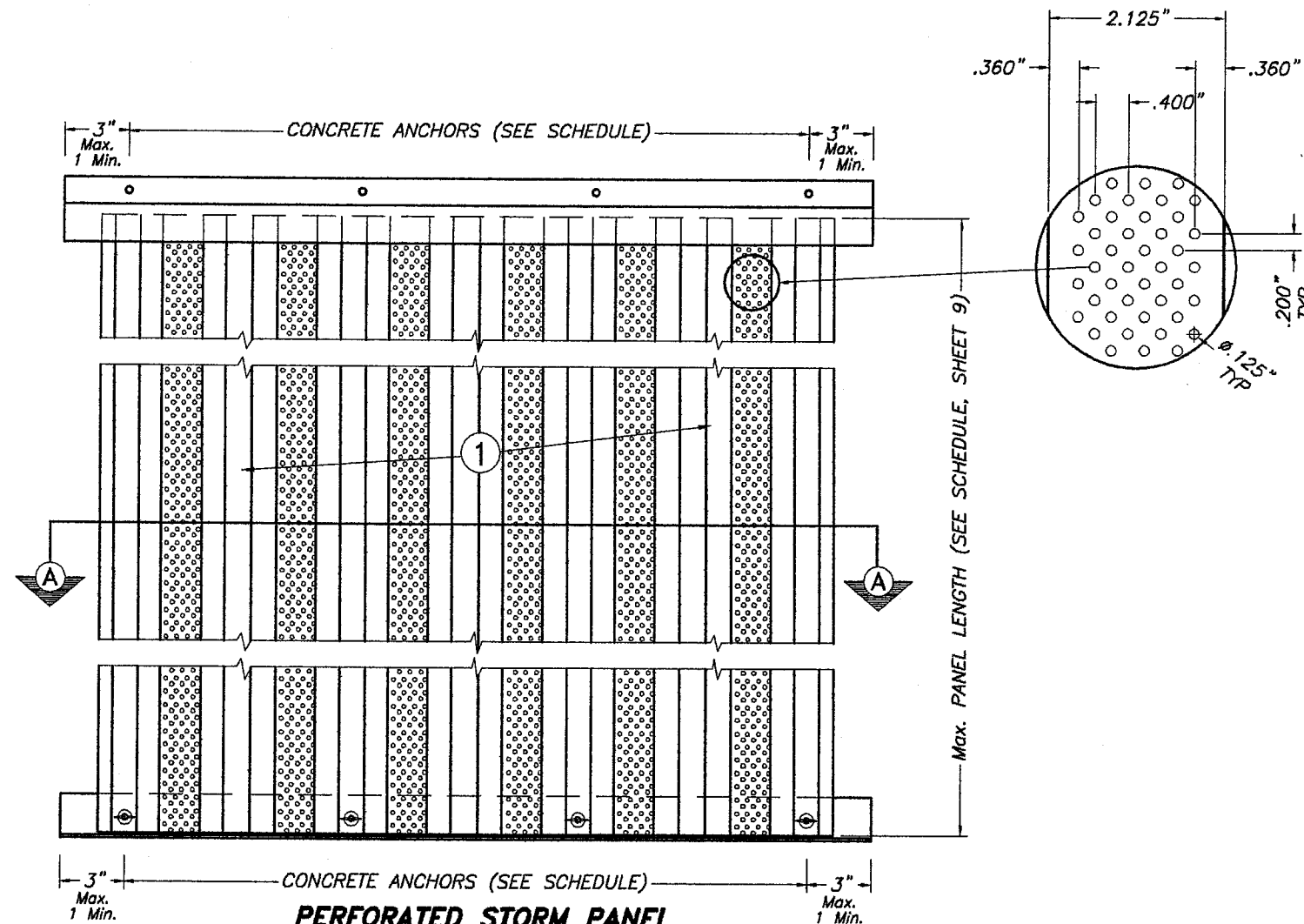
FULL PANEL



HALF PANEL

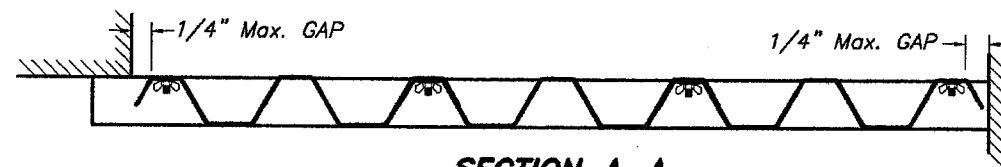
1 PERFORATED STORM PANEL

SCALE : 1/2" = 1"



**PERFORATED STORM PANEL
TYPICAL ELEVATION**

N. T. S.



SECTION A-A

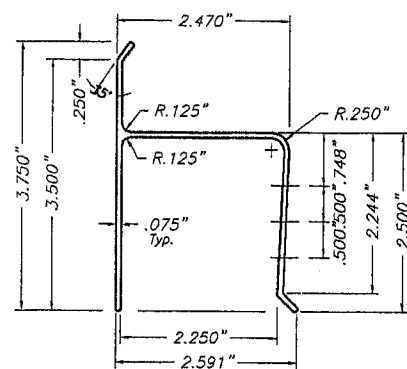
N. T. S.

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 07-0111-02
Expiration Date 6/3/21/2012
By *Heather A. Miller*
Miami Dade Product Control
Division

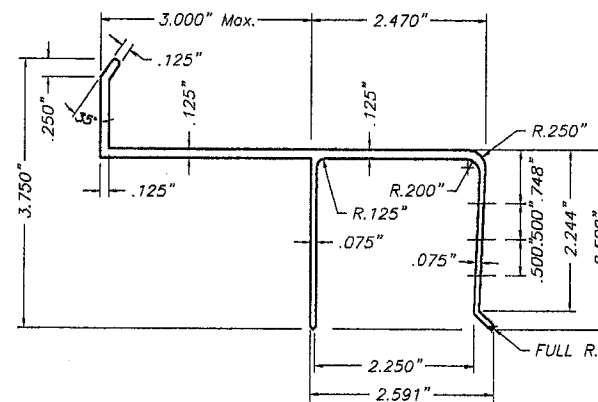
F.B.C.(H.V.H.Z.)/MIAMI-DADE COUNTY

 TILTECO INC. TILLIT TESTING & ENGINEERING COMPANY 6355 N.W. 30th, St., Ste. 305, VIRGINIA GARDENS, FL 33188 Phone : (305)871-1530 . Fax : (305)871-1531 EB-0006719 WALTER A. TILLIT Jr. P. E. FLORIDA Lic. # 44167		0.050" PERFORATED BERTHA ALUMINUM STORM PANEL			DRAWN BY I.A.
		EASTERN METAL SUPPLY, INC 4268 WESTROADS DRIVE WEST PALM BEACH, FL 33407 PH: (561)-533-6061 FAX: (561)-588-4780			11/20/06 DATE
					06-290 DRAWING No
					SHEET 1A OF 15
REV. No	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1	OLD 03-143	11/20/06	3	-	-
2	-	-	4	-	-

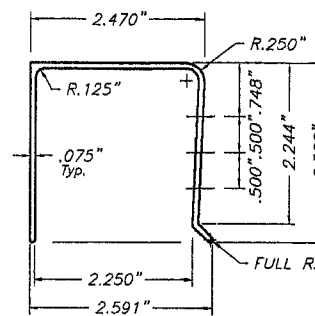
AUG 8 2007



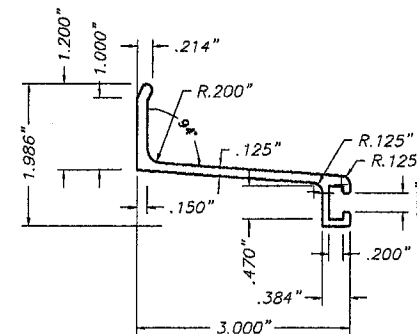
② **"h" HEADER**
SCALE: 3/8" = 1"



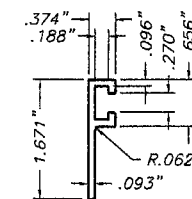
③ **3" Max. "U" BUILD OUT**
SCALE: 3/8" = 1"



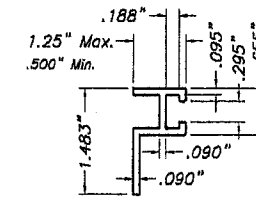
④ **"U" HEADER**
SCALE: 3/8" = 1"



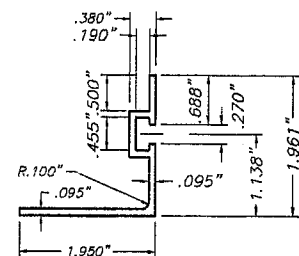
⑤ **3" ANGLE BUILD OUT BRACKET**
SCALE: 3/8" = 1"



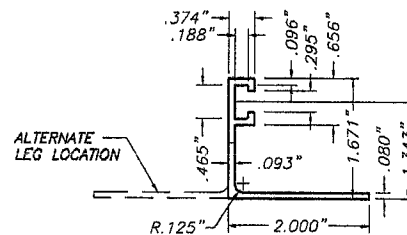
⑥ **"F" TRACK**
SCALE: 3/8" = 1"



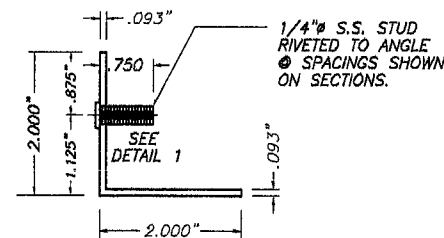
⑥A **1 1/4" MAX. B. O. "F" TRACK**
SCALE: 3/8" = 1"



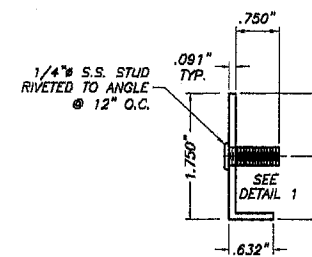
⑦ **REVERSED "F" ANGLE TRACK**
SCALE: 3/8" = 1"



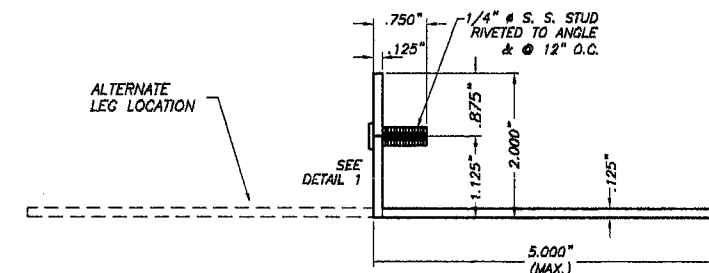
⑧ **"F" TRACK ANGLE**
SCALE: 3/8" = 1"



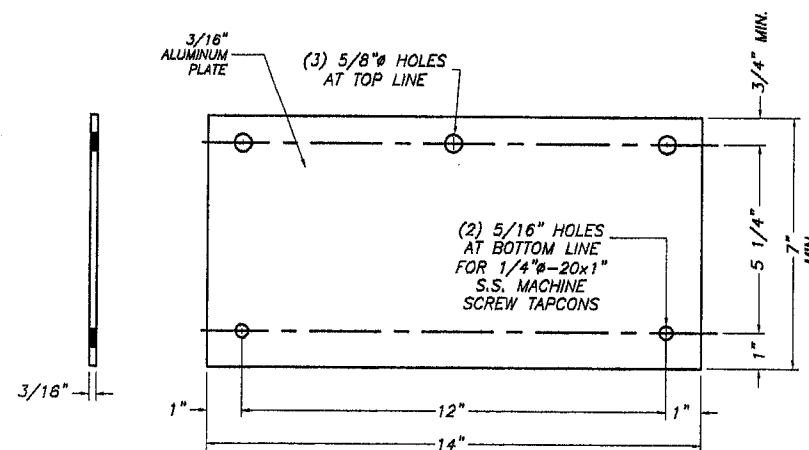
⑨ **STUDED ANGLE**
6063-T5 Alum. ALLOY
SCALE: 3/8" = 1"



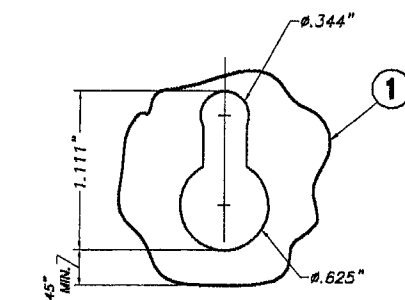
⑨A **MINI WALL 1.75"x0.632" ANGLE WITH STUD**
SCALE: 1/2" = 1"



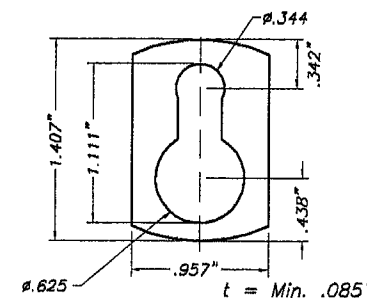
⑩ **2"x5"(MAX.)x1/8" ANGLE WITH STUD**
SCALE: 3/8" = 1"



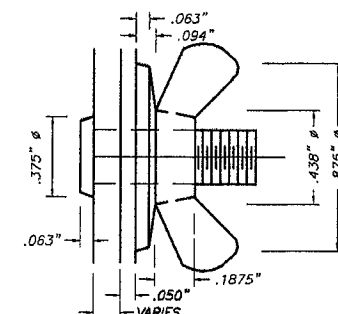
⑪ **3/16"x7"x14" LONG WALL PLATE**
SCALE: 3/16" = 1"



⑫ **KEY HOLE AT PANEL**



⑬ **KEY HOLE WASHER**
3105-H154 Alum. ALLOY
SCALE: 3/4" = 1"



DETAIL 1: STUD W/ WING NUT

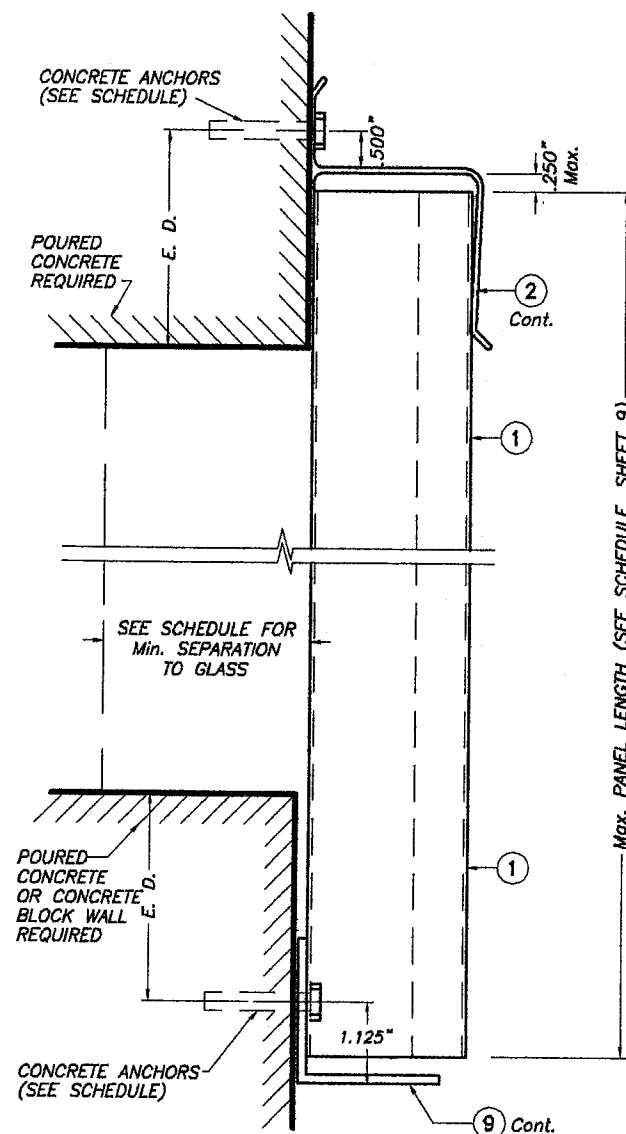
COMPONENTS

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 07-0111.02
Expiration Date 03/21/2012
By *Walter A. Tillit Jr.*
Miami Date Product Control
Division

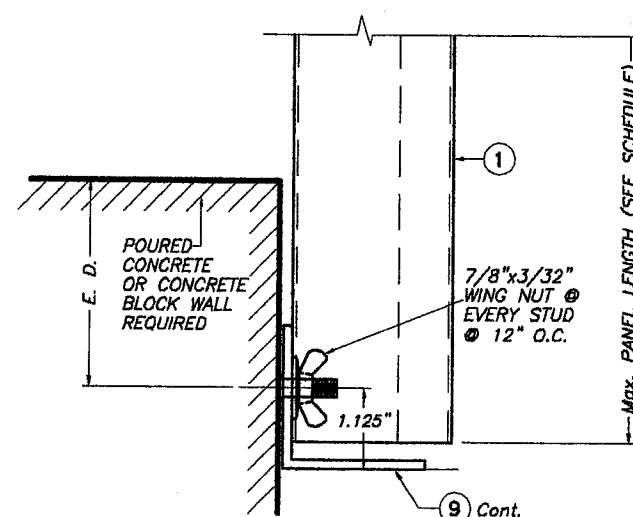
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				06-290 DRAWING No
				SHEET 2 OF 15

AUG 03 2007



SECTION @ ANCHOR

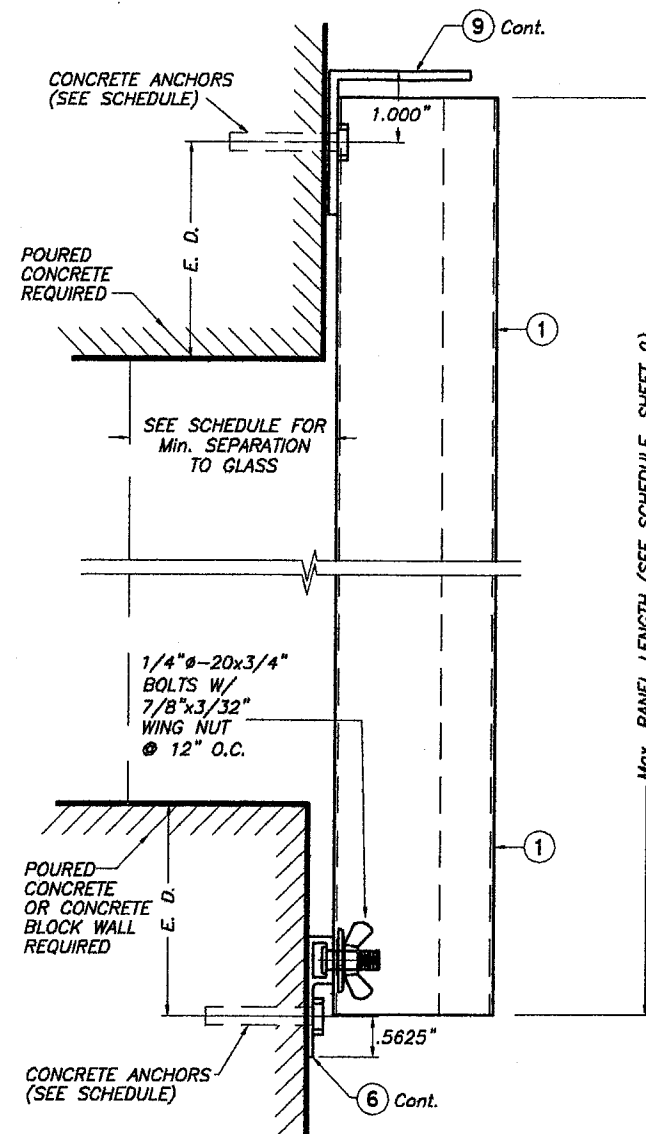


SECTION @ STUD

WALL MOUNTING INSTALLATION SECTION 1

SCALE : 3/8" = 1"

NOTE : DETAIL OF SECTION @ STUD VALID ALSO FOR
WALL MOUNTING INSTALLATION - SECTION 2 (TOP)



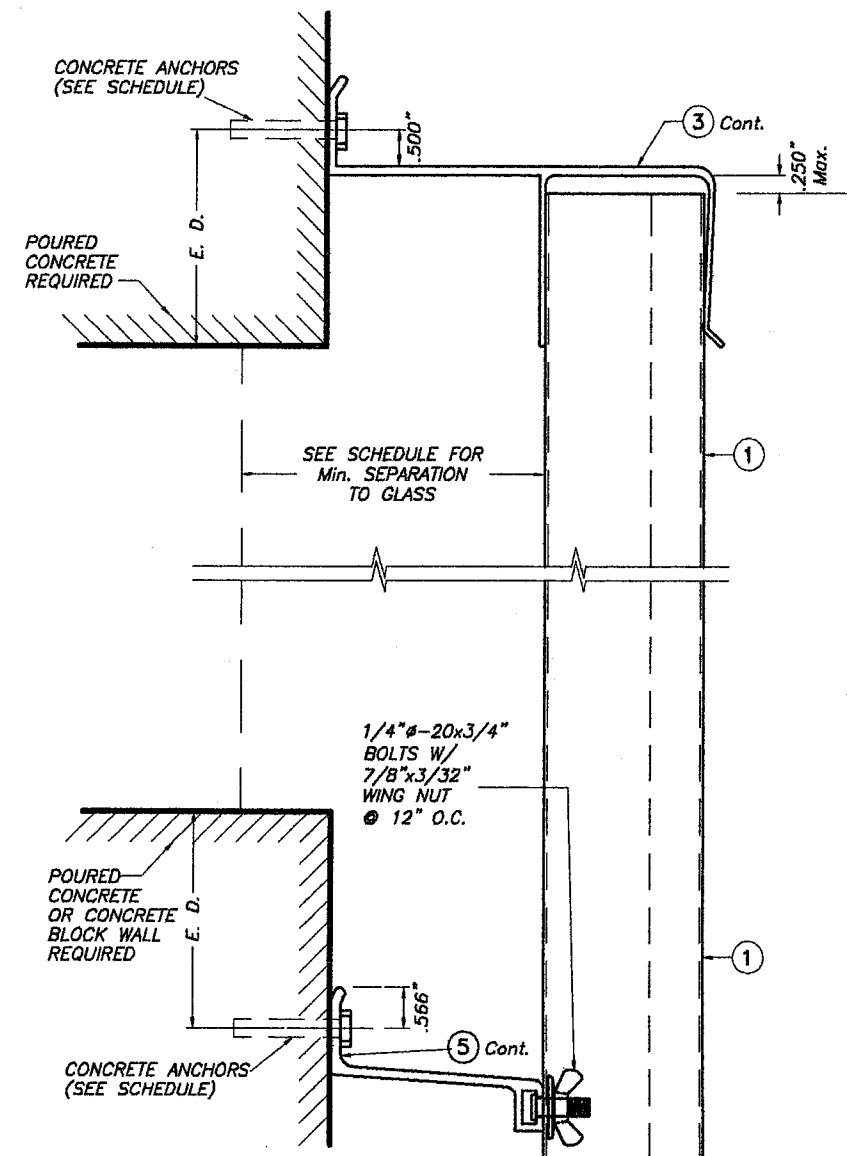
WALL MOUNTING INSTALLATION SECTION 2

SCALE : 3/8" = 1"

E. D. = EDGE DISTANCE
(SEE SCHEDULE ON
SHEETS 10 & 11 OF 15)

NOTE FOR COMBINATION OF SECTIONS:

WALL MOUNTING SECTIONS CAN BE
COMBINED IN ANY WAY TO SUIT ANY INSTALLATION.



BUILD OUT INSTALLATION SECTION 3

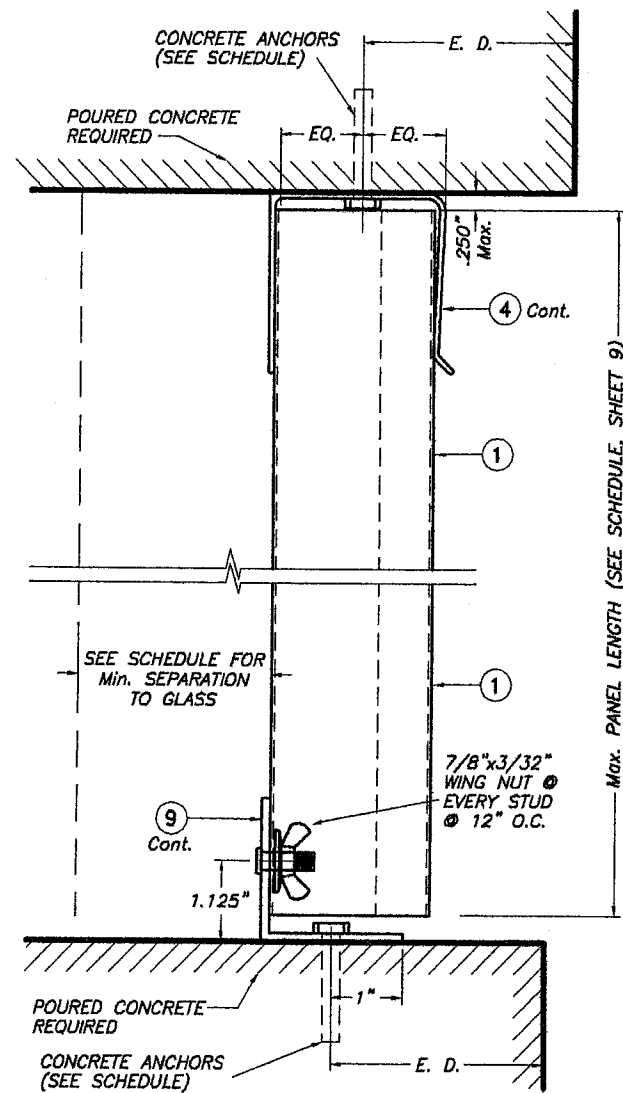
SCALE : 3/8" = 1"

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 07-0111.02
Expiration Date 03/21/2012
By *Healy A. Healy*
Miami Dade Product Control
Division

F.B.C.(H.V.H.Z.)/MIAMI-DADE COUNTY

TILTECO INC. TILLIT TESTING & ENGINEERING COMPANY 6355 N.W. 38th St., Ste. 305, VIRGINIA GARDENS, FL 33166 Phone : (305)871-1530 . Fax : (305)871-1531 EB-0006719 WALTER A. TILLIT Jr. P. E. FLORIDA Lic. # 44167		0.050" PERFORATED BERTHA ALUMINUM STORM PANEL		DRAWN BY I.A.	
		EASTERN METAL SUPPLY, INC 4268 WESTROADS DRIVE WEST PALM BEACH, FL 33407 PH: (561)-533-6061 FAX: (561)-588-4780		11/20/06 DATE	
				06-290 DRAWING No	
				SHEET 3 OF 15	

AUG 03 2007



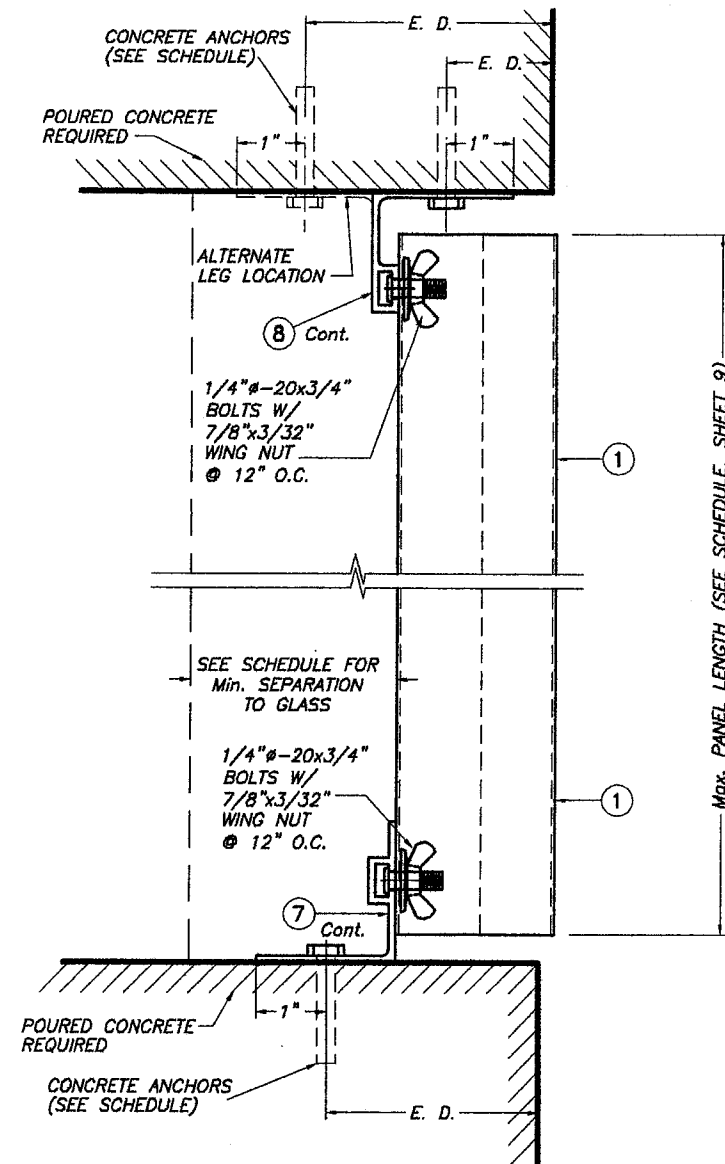
CEILING & FLOOR MOUNTING INSTALLATION - SECTION 4

SCALE : 3/8" = 1"

E. D. = EDGE DISTANCE
(SEE SCHEDULE ON
SHEETS 10 & 11 OF 15)

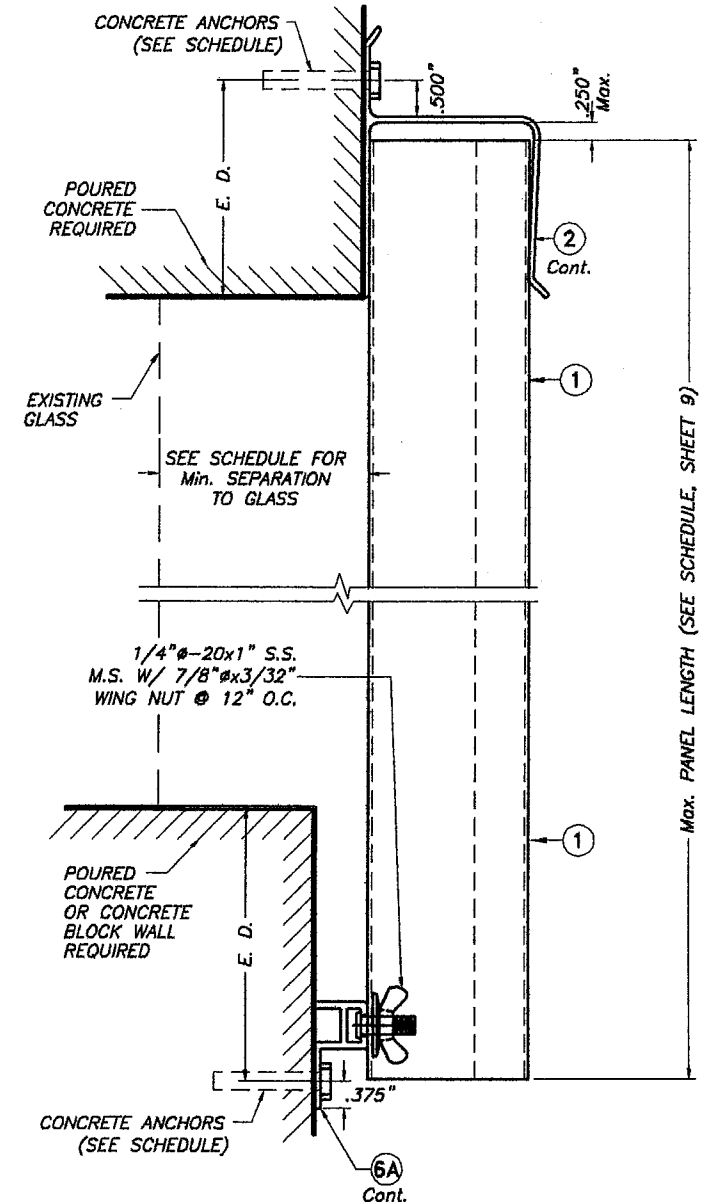
NOTE FOR COMBINATION OF SECTIONS:

WALL/FLOOR/CEILING MOUNTING SECTIONS CAN BE
COMBINED IN ANY WAY TO SUIT ANY INSTALLATION.



CEILING & FLOOR MOUNTING INSTALLATION - SECTION 5

SCALE : 3/8" = 1"



WALL MOUNTING INSTALLATION SECTION 6

SCALE : 3/8" = 1"

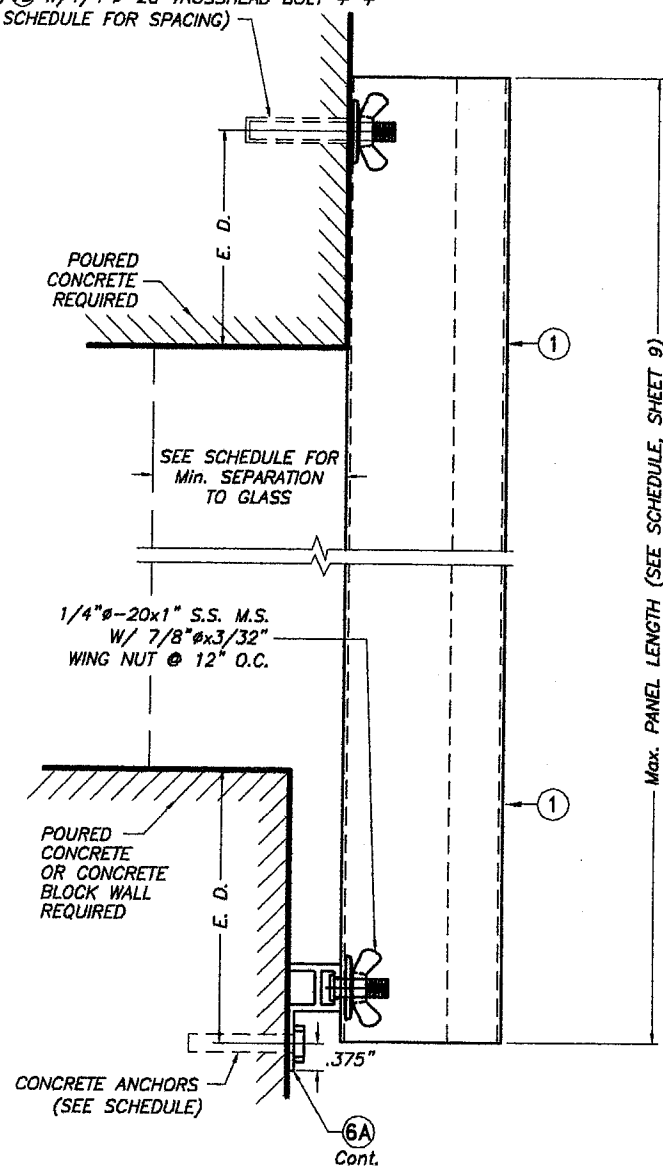
PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 07-0111.02
Expiration Date 03/21/2012
By *Helmut A. Keller*
Miami Dade Product Control
Division

F.B.C.(H.V.H.Z.)/MIAMI-DADE COUNTY

TILTECO INC. <small>TILLIT TESTING & ENGINEERING COMPANY 6355 N.W. 36th St., Ste. 305, VIRGINIA GARDENS, FL 33166 Phone : (305)871-1530 • Fax : (305)871-1531 EB-0006719 WALTER A. TILLIT Jr. P. E. FLORIDA Lic. # 44167</small>		0.050" PERFORATED BERTHA ALUMINUM STORM PANEL				DRAWN BY I.A.
		EASTERN METAL SUPPLY, INC 4268 WESTROADS DRIVE WEST PALM BEACH, FL 33407 PH: (561)-533-6061 FAX: (561)-588-4780				11/20/06 DATE
						06-290 DRAWING No
						SHEET 4 OF 15

AUG 03 2007

CALK-IN OR ELCO male/female PANELMATE
OR ELCO male/female PANELMATE PLUS
② W/1/4"-20 SIDEWALK BOLT OR ②
② W/1/4"-20 TRUSSHEAD BOLT + +
(SEE SCHEDULE FOR SPACING)



WALL MOUNTING INSTALLATION SECTION 7

SCALE : 3/8" = 1"

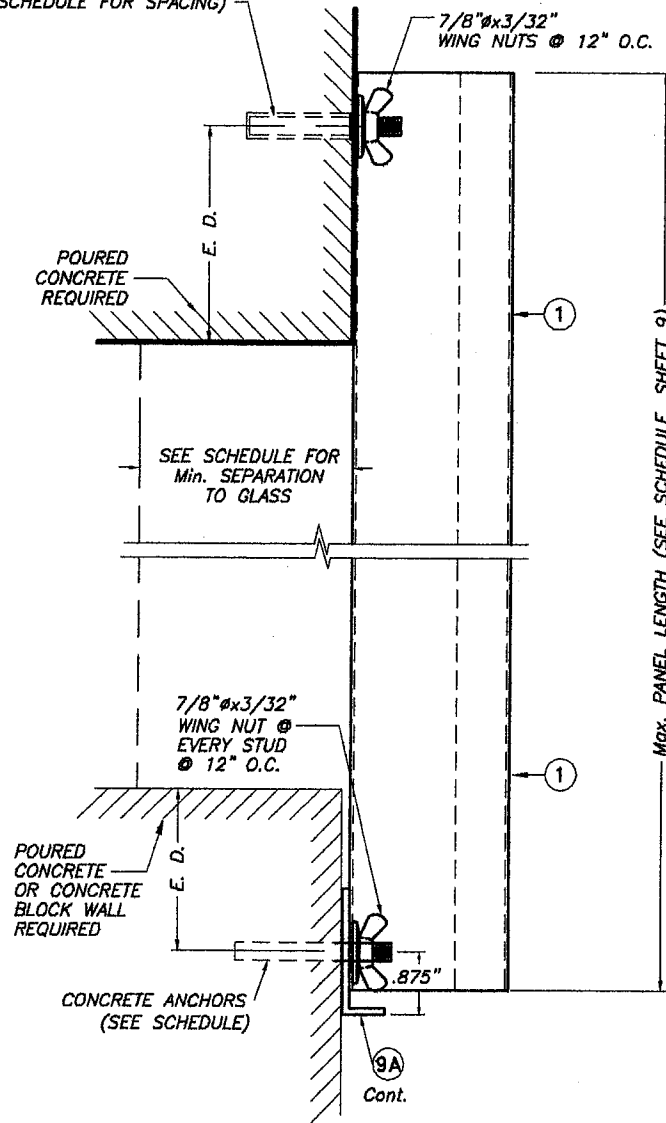
E. D. = EDGE DISTANCE
(SEE SCHEDULE ON
SHEETS 10 & 11 OF 15)

NOTE FOR COMBINATION OF SECTIONS:

WALL/FLOOR/CEILING MOUNTING SECTIONS CAN BE
COMBINED IN ANY WAY TO SUIT ANY INSTALLATION.

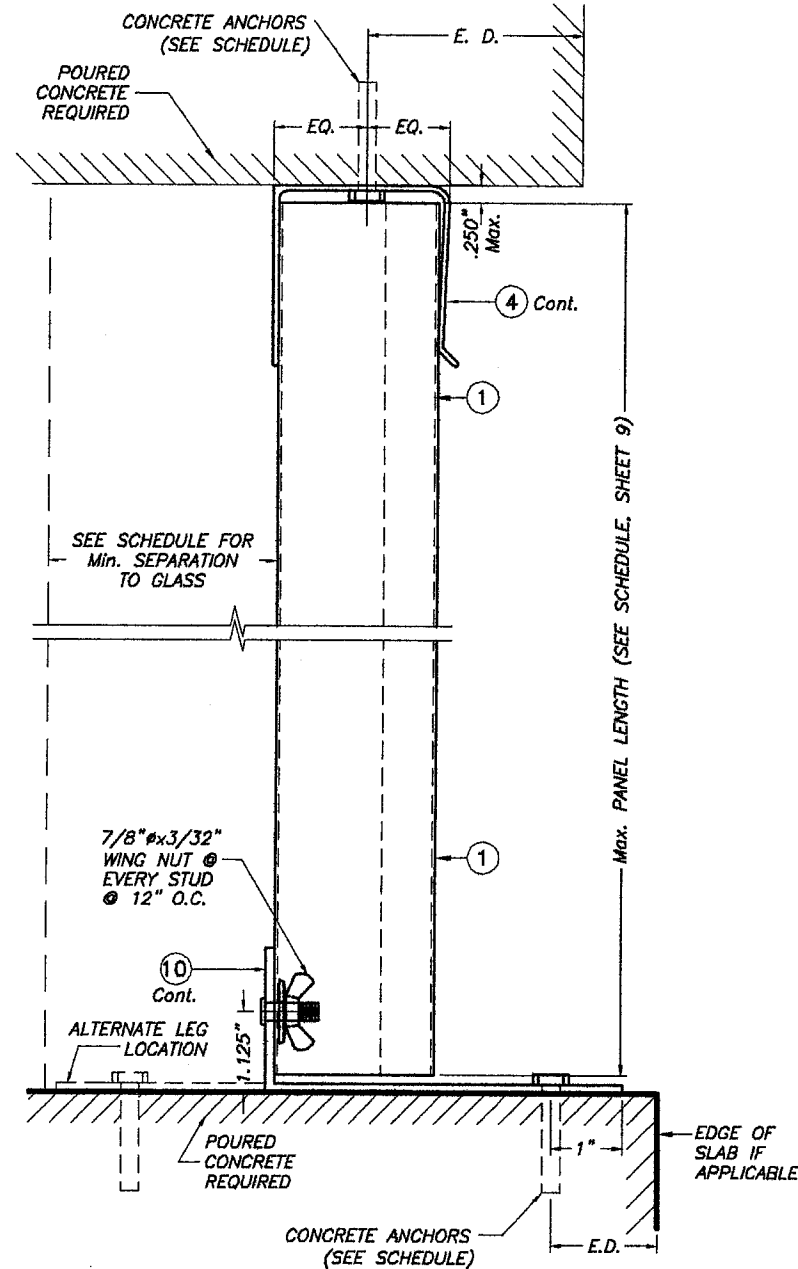
++
SIDE WALK BOLTS ARE 3/4"x3/32"THICK
HEAD MACHINE SCREW W/LENGTH
AS PER NOTES A.2 & B.2 (SHEET 1)
++
TRUSS HEAD BOLTS ARE 1/2"x1/8"THICK
HEAD MACHINE SCREW W/LENGTH
AS PER NOTES A.2 & B.2 (SHEET 1)

CALK-IN OR ELCO male/female PANELMATE
OR ELCO male/female PANELMATE PLUS
② W/1/4"-20 SIDEWALK BOLT OR ②
② W/1/4"-20 TRUSSHEAD BOLT + +
(SEE SCHEDULE FOR SPACING)



WALL MOUNTING INSTALLATION SECTION 8

SCALE : 3/8" = 1"




CEILING & FLOOR MOUNTING INSTALLATION SECTION 9

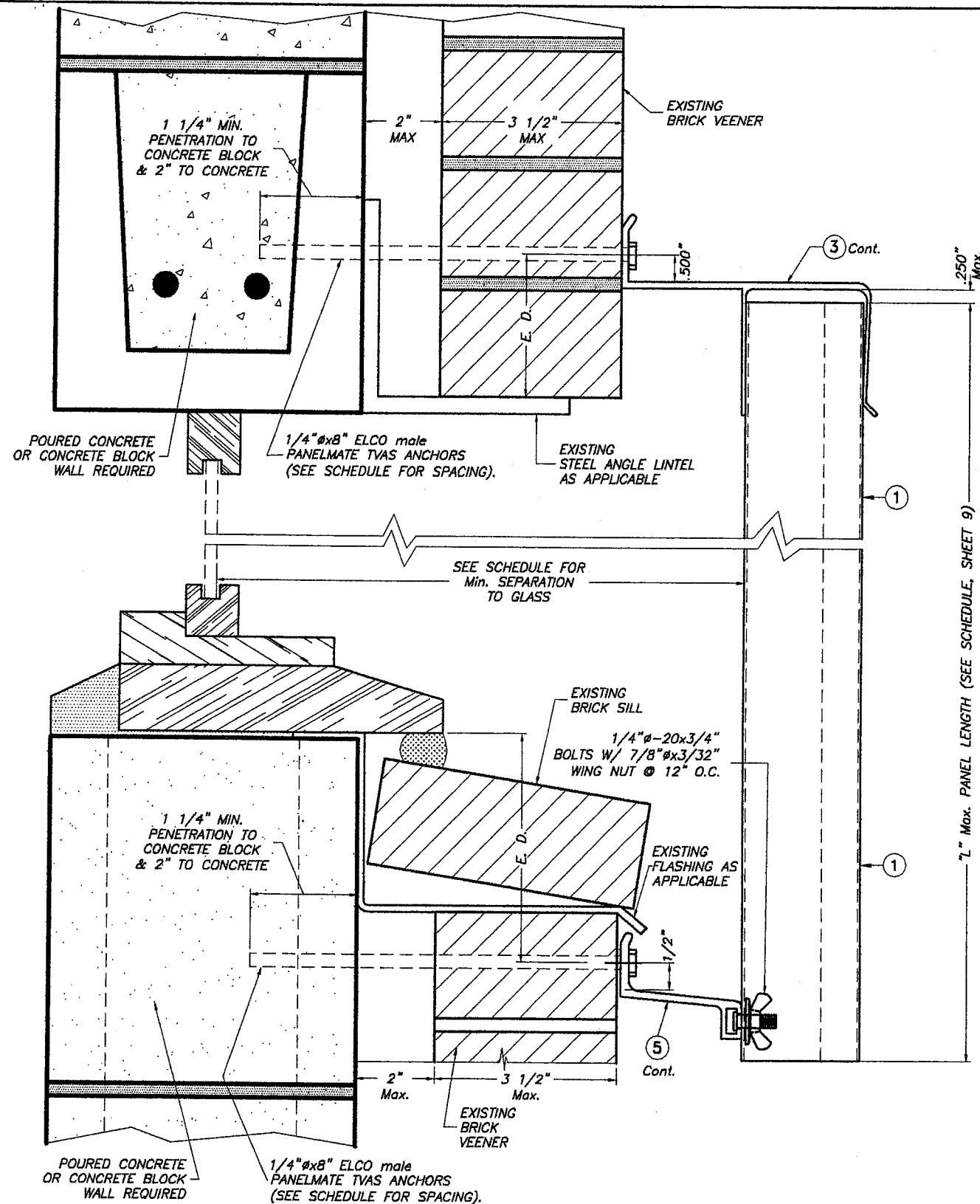
SCALE : 3/8" = 1"

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 07-0111.02
Expiration Date 03/21/2012
By *Heber A. Nelson*
Miami Dade Product Control
Division

F.B.C.(H.V.H.Z.)/MIAMI-DADE COUNTY

<div></div> <div>TILLIT TESTING & ENGINEERING COMPANY 6355 N.W. 36th St., Ste. 305, VIRGINIA GARDENS, FL 33186 Phone : (305)871-1530 . Fax : (305)871-1531 EB-0006719 WALTER A. TILLIT Jr. P. E. FLORIDA Lic. # 44167</div>	0.050" PERFORATED BERTHA ALUMINUM STORM PANEL						DRAWN BY I.A.				
	EASTERN METAL SUPPLY, INC						11/20/06 DATE				
	4268 WESTROADS DRIVE WEST PALM BEACH, FL 33407 PH: (561)-533-8061 FAX: (561)-588-4780						06-290				
							DRAWING No				
							SHEET 5 OF 15				
REV. No		DESCRIPTION		DATE		REV. No		DESCRIPTION		DATE	
1		OLD 03-143		11/20/06		3		-		-	
2		-		-		4		-		-	

AUG 03 2007



BUILD OUT INSTALLATION

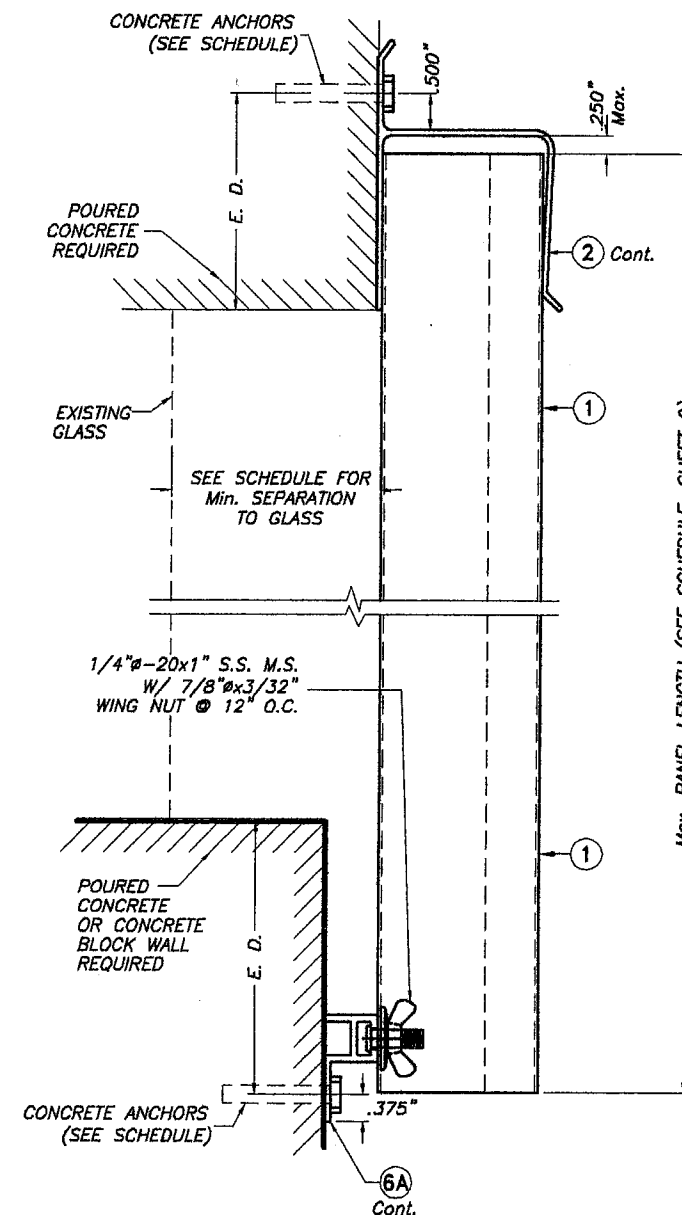
SECTION 10

SCALE : 3/8" = 1"

E. D. = EDGE DISTANCE
(SEE SCHEDULE ON
SHEETS 10 & 11 OF 15)

NOTE FOR COMBINATION OF SECTIONS:

WALL MOUNTING SECTIONS CAN BE
COMBINED IN ANY WAY TO SUIT ANY INSTALLATION.

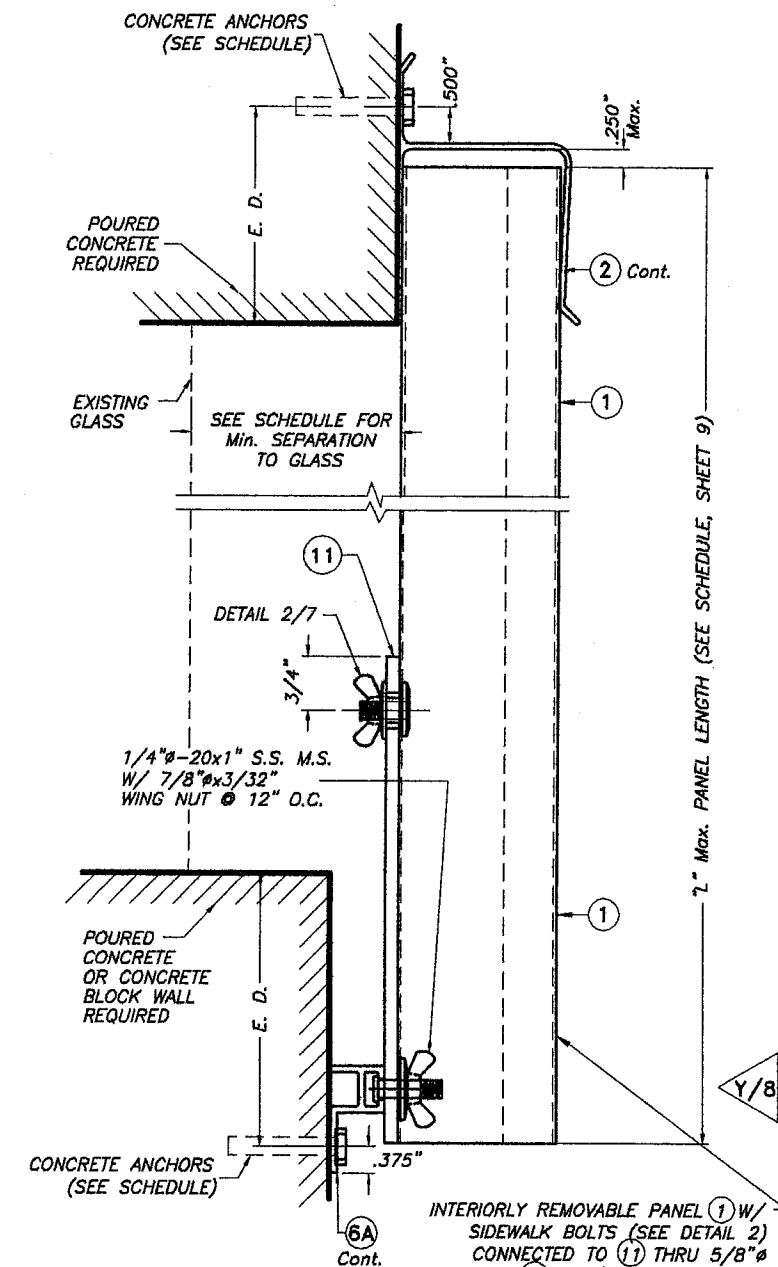


SECTION 11A

WALL MOUNTING INSTALLATIONS

SECTIONS 11

SCALE : 3/8" = 1"



SECTION 11B

INTERIORLY REMOVABLE PANEL (1) W/
SIDEWALK BOLTS (SEE DETAIL 2)
CONNECTED TO (1) THRU 5/8" Ø
HOLES AT (1) 6" O.C. & FASTENED
AT REAR W/ 7/8" Ø x 3/32" WING NUT
Ø EVERY SIDEWALK BOLT.

INSTALLATIONS VALID FOR PANELS (1) USED JOINTLY WITH INTERIORLY REMOVABLE PANELS (1)

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 07-0111.02
Expiration Date 03/21/2012
By *Healy A. Miller*
Miami Dade Product Control
Division

F.B.C.(H.V.H.Z.)/MIAMI-DADE COUNTY

0.050" PERFORATED BERTHA ALUMINUM STORM PANEL

DRAWN BY
I.A.

EASTERN METAL SUPPLY, INC

4268 WESTROADS DRIVE
WEST PALM BEACH, FL 33407

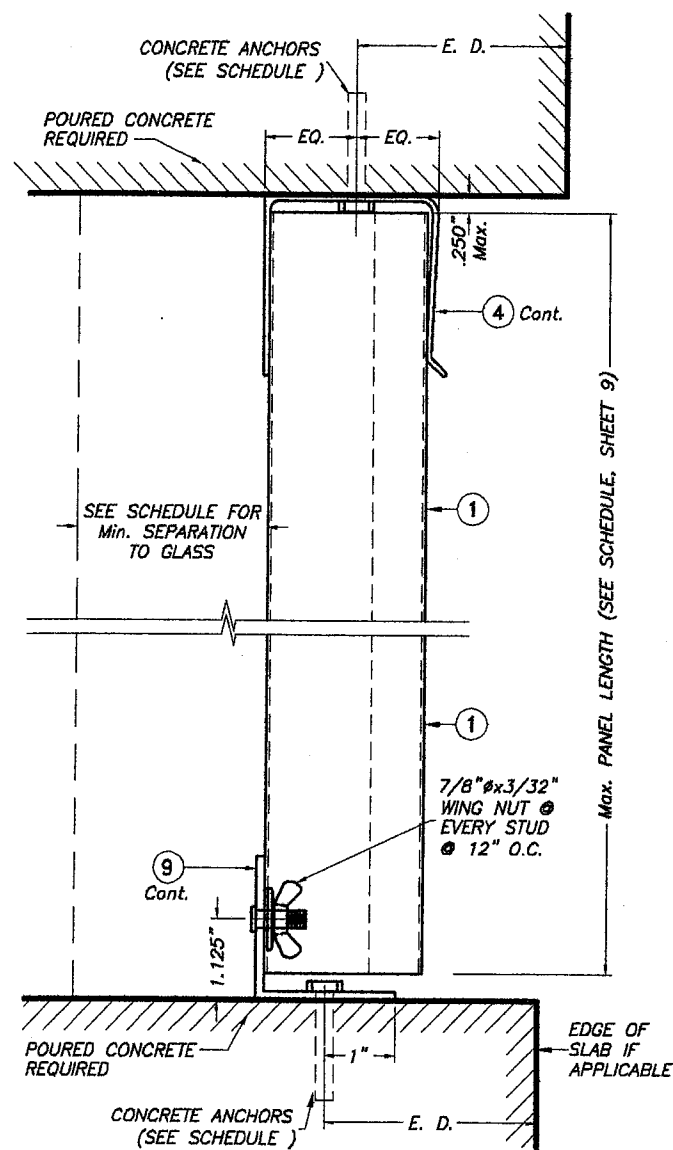
PH: (561)-533-8061 FAX: (561)-588-4780

11/20/06
DATE

06-290

DRAWING No

REV. No	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
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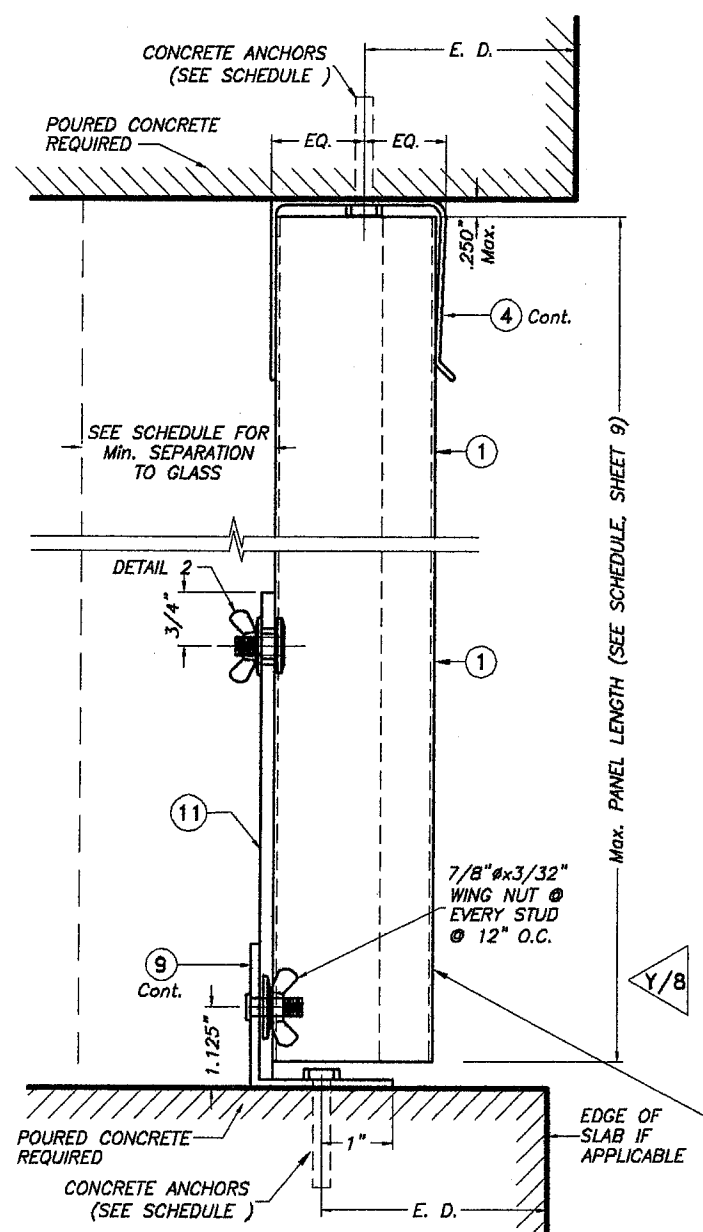


SECTION 12A

CEILING & FLOOR MOUNTING INSTALLATIONS

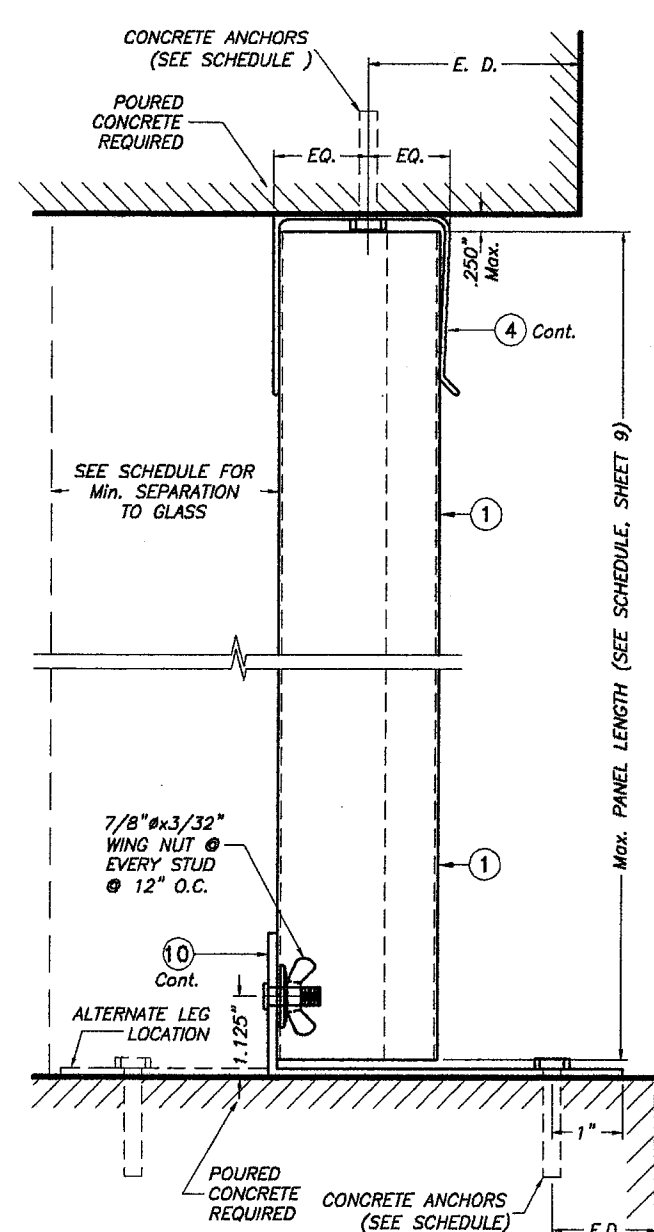
SECTIONS 12

SCALE : 3/8" = 1"



SECTION 12B

INTERIORLY REMOVABLE PANEL (1) W/ SIDEWALK BOLTS (SEE DETAIL 2) CONNECTED TO (1) THRU 5/8" Ø HOLES AT (1) 6" O.C. & FASTENED AT REAR W/ 7/8" x 3/32" WING NUT @ EVERY SIDEWALK BOLT.

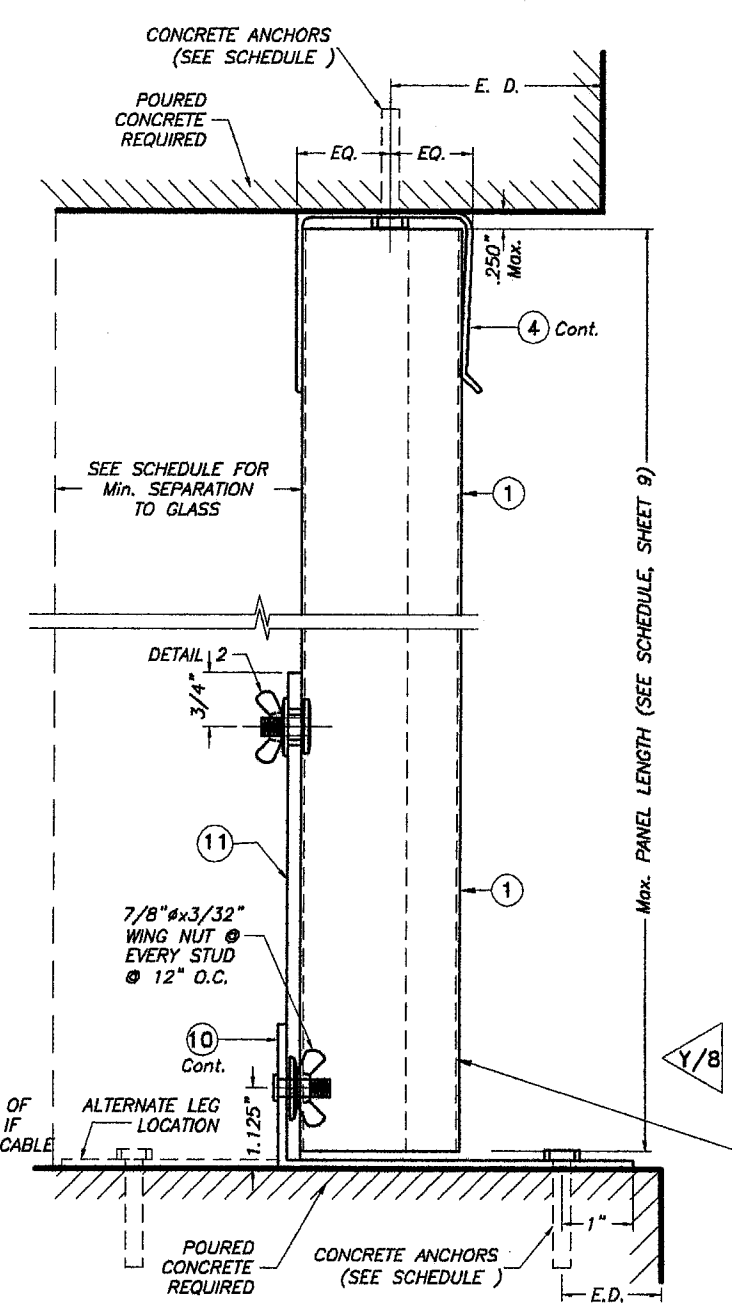


SECTION 13A

CEILING & FLOOR MOUNTING INSTALLATIONS

SECTIONS 13

SCALE : 3/8" = 1"

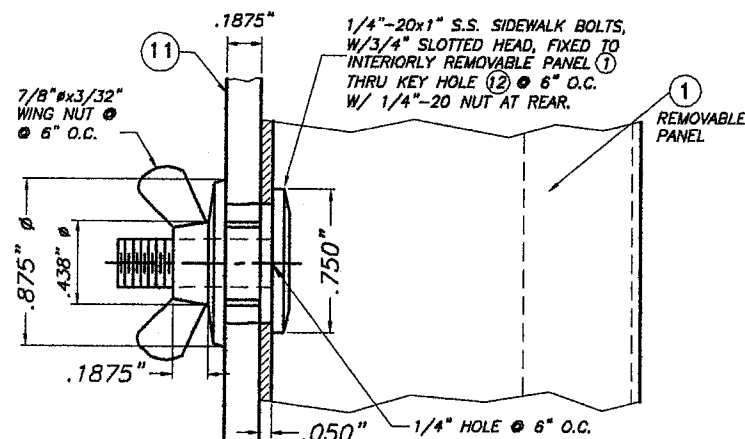


SECTION 13B

INTERIORLY REMOVABLE PANEL (1) W/ SIDEWALK BOLTS (SEE DETAIL 2) CONNECTED TO (1) THRU 5/8" Ø HOLES AT (1) 6" O.C. & FASTENED AT REAR W/ 7/8" x 3/32" WING NUT @ EVERY SIDEWALK BOLT.

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 07-0111.02
Expiration Date 03/21/2012
By *Heather A. M...*
Miami Dade Product Control
Division

F.B.C.(H.V.H.Z.)/MIAMI-DADE COUNTY



DETAIL 2 - INSTALLATION OF 1/4" x 1" SIDEWALK BOLTS @ REMOVABLE PANEL

SCALE: 1" = 1"

E. D. = EDGE DISTANCE
(SEE SCHEDULE ON
SHEET 10 & 11 OF 15)

NOTE FOR COMBINATION OF SECTIONS:

FLOOR/CEILING MOUNTING SECTIONS CAN BE COMBINED IN ANY WAY TO SUIT ANY INSTALLATION.

AUG 03 2007

TILTECO INC.
TILLIT TESTING & ENGINEERING COMPANY
6355 N.W. 36th St., Ste. 305, VIRGINIA GARDENS, FL 33149
Phone : (305)871-1530 • Fax : (305)871-1531
EB-0006719
WALTER A. TILLIT Jr., P. E.
FLORIDA Lic. # 44167

0.050" PERFORATED BERTHA ALUMINUM STORM PANEL

EASTERN METAL SUPPLY, INC

426B WESTROADS DRIVE
WEST PALM BEACH, FL 33407
PH: (561)-533-6061 FAX: (561)-588-4780

REV. No	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
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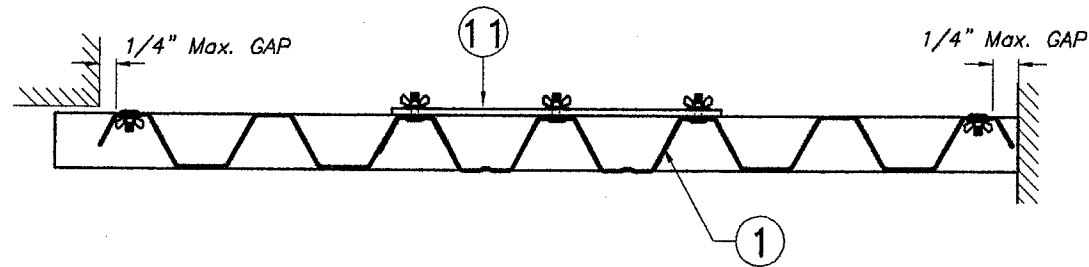
DRAWN BY
I.A.

11/20/06
DATE

06-290

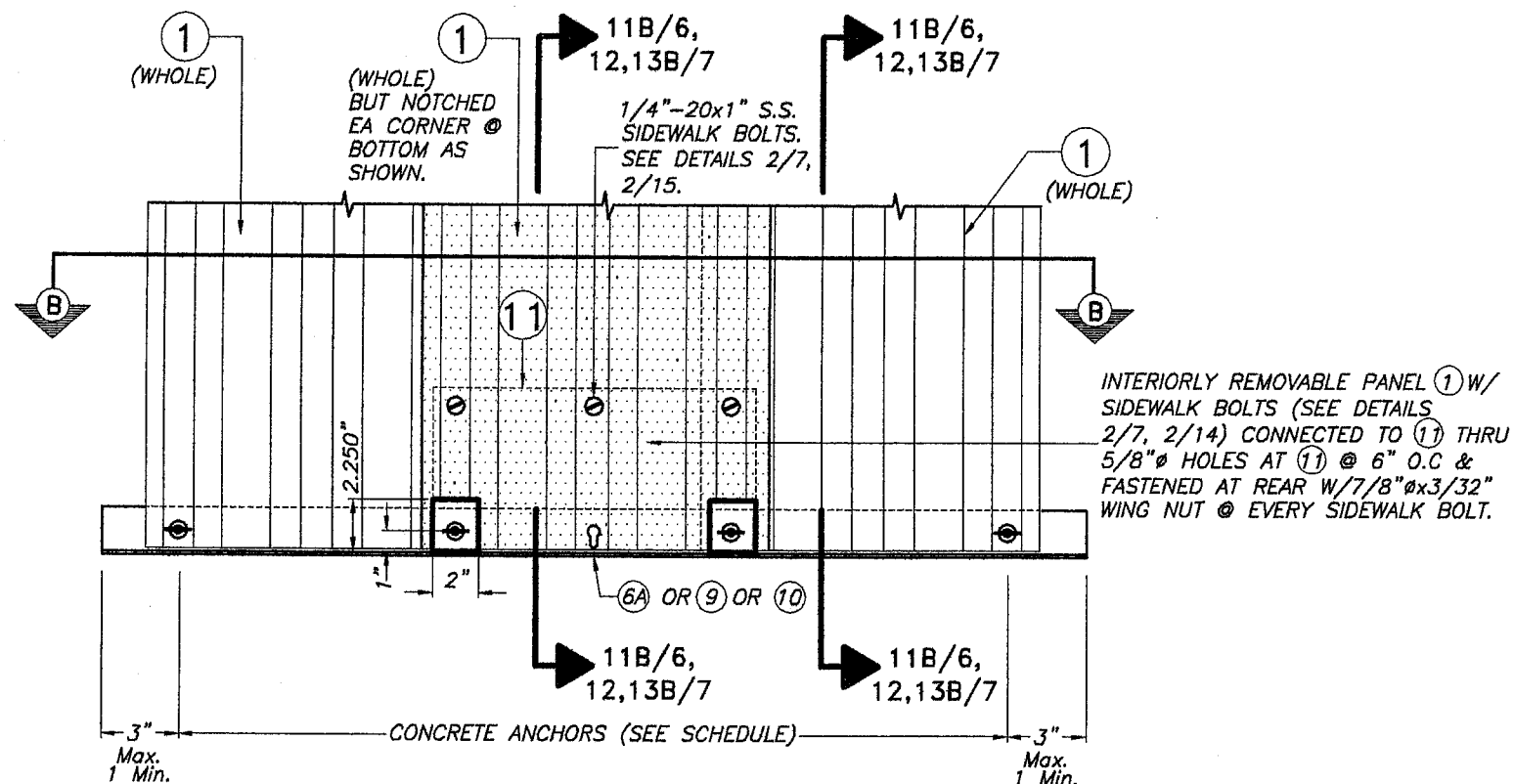
DRAWING No

SHEET 7 OF 15



SECTION B-B

SCALE : 1/8" = 1"



INTERIORLY REMOVABLE STORM PANEL PARTIAL ELEVATION Y

SCALE : 1/8" = 1"

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 07-0111.02
Expiration Date 03/21/2012
By *Healy A. M...*
Miami Dade Product Control
Division

F.B.C.(H.V.H.Z.)/MIAMI-DADE COUNTY

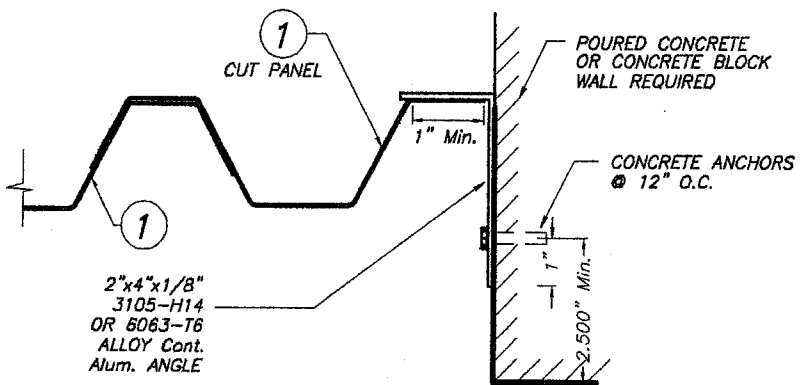
TILTECO INC. <small>TILLIT TESTING & ENGINEERING COMPANY 6355 N.W. 38th. St., Ste. 305, VIRGINIA GARDENS, FL 33188 Phone : (305)871-1530 . Fax : (305)871-1531 EB-0006719 WALTER A. TILLIT Jr. P. E. FLORIDA Lic. # 44167</small>		0.050" PERFORATED BERTHA ALUMINUM STORM PANEL				DRAWN BY I.A.
		EASTERN METAL SUPPLY, INC 4268 WESTROADS DRIVE WEST PALM BEACH, FL 33407 PH: (561)-533-6061 FAX: (561)-588-4780				11/20/06 DATE
						06-290 DRAWING No
REV. No	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE	
1	OLD 03-143	11/20/06	3	-	-	
2	-	-	4	-	-	

SHEET 8 OF 15

AUG 03 2007

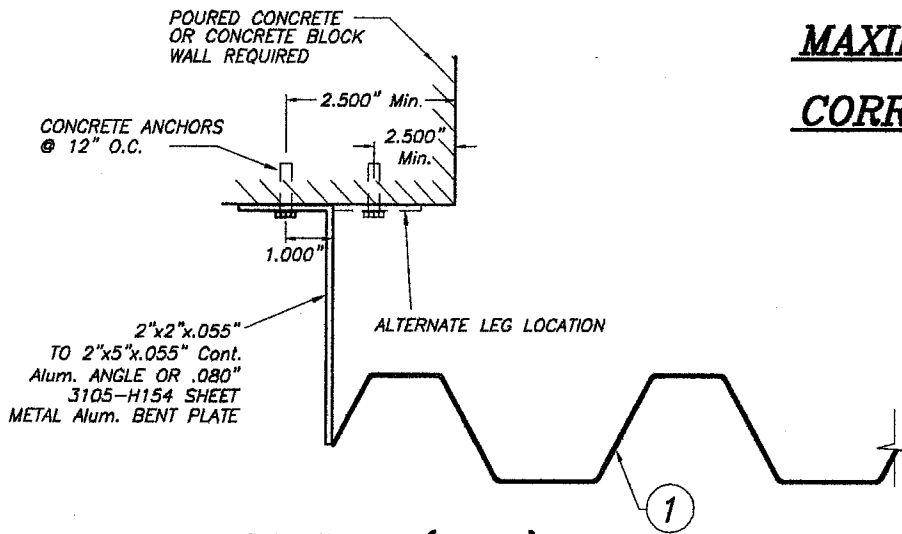
MAXIMUM DESIGN PRESSURE RATING "W" (p.s.f.) AND CORRESPONDING MAXIMUM PANEL LENGTH "L" SCHEDULE

MAXIMUM DESIGN PRESSURE RATING W (p.s.f.)	Max. PANEL LENGTH L (ft.) (SEE SECTIONS)	MINIMUM SEPARATION TO GLASS	APPLICABLE TO SECTIONS # & ANY COMBINATION OF THEM
+65.0, -72.0	9'-0" OR LESS	3 1/2"	8
+63.5, -63.5	9'-0" OR LESS	3 1/8"	3
+65.0, -65.0	9'-0" OR LESS	3 3/4"	4
+65.0, -72.0	9'-0" OR LESS	3 1/4"	5
+63.5, -63.5	9'-0" OR LESS	3 1/2"	1, 2, 6, 7, 11
+65.0, -65.0	9'-0" OR LESS	3 1/2"	9, 12, 13
+63.5, -63.5	9'-0" OR LESS	3 3/4"	10



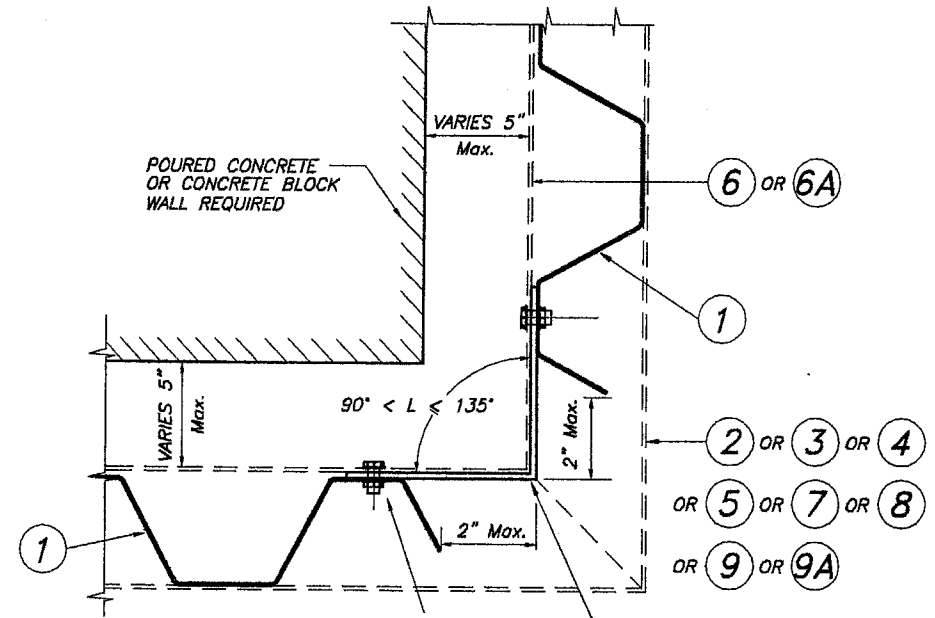
CASE A (Plan)

SCALE: 1/4" = 1"



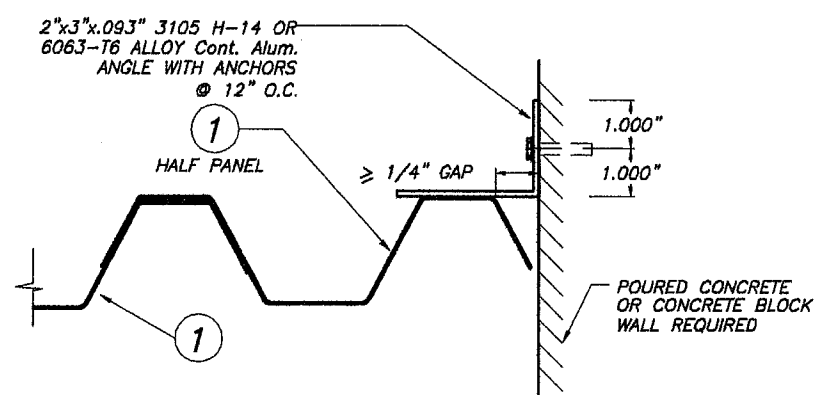
CASE C (Plan)

SCALE: 1/4" = 1"



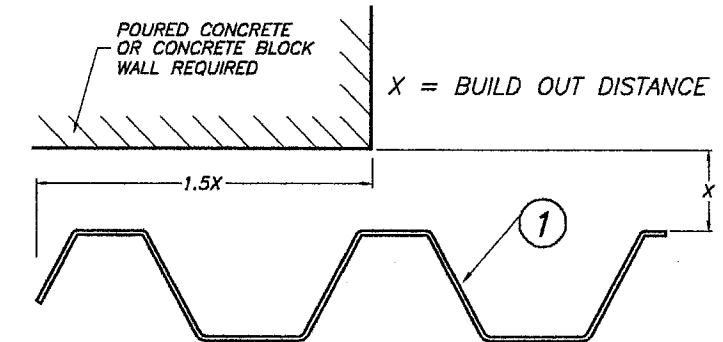
CASE B (Plan)

SCALE: 1/4" = 1"



CASE D (Plan)

SCALE: 1/4" = 1"



CASE E (Plan)

SCALE: 1/4" = 1"

END CLOSURES DETAILS

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 07-011.02
Expiration Date 03/21/2012
By *Helmut A. Neher*
Miami Dade Product Control
Division

F.B.C.(H.V.H.Z.)/MIAMI-DADE COUNTY

<p>TILTECO INC. TILLIT TESTING & ENGINEERING COMPANY 8355 N.W. 36th St., Ste. 305, VIRGINIA GARDENS, FL 33188 Phone: (305)871-1530 Fax: (305)871-1531 EB-0006719 WALTER A. TILLIT Jr. P. E. FLORIDA Lic. # 44167</p>		0.050" PERFORATED BERTHA ALUMINUM STORM PANEL		DRAWN BY I.A.	
		<p>EASTERN METAL SUPPLY, INC 4268 WESTROADS DRIVE WEST PALM BEACH, FL 33407 PH: (561)-533-8061 FAX: (561)-588-4780</p>		11/20/06 DATE	
		06-290 DRAWING No			
		SHEET 9 OF 15			

AUG 03 2007

MAXIMUM DESIGN PRESSURE RATING "W" (p.s.f.) AND CORRESPONDING MAXIMUM ANCHOR SPACING SCHEDULE FOR INSTALLATIONS IN CONCRETE AND CONCRETE BLOCK STRUCTURES

MAXIMUM DESIGN LOAD W (p.s.f.)	MAXIMUM ANCHORS SPACING FOR E. D. = 3 1/2"*																APPLICABLE TO SECTIONS # & ANY COMBINATION OF THEM	MAXIMUM PANEL LENGTH "L" (ft.)
	REGULAR TAPCONS		CRETE-FLEX SS4		ZAMAC NAILIN		CALK-IN		CF TAP-GRIP		PANELMATES		PANELMATE PLUS		410 S.S. TAPCON			
	TO CONCRETE	TO MASONRY	TO CONCRETE	TO MASONRY	TO CONCRETE	TO MASONRY	TO CONCRETE	TO MASONRY	TO CONCRETE	TO MASONRY	TO CONCRETE	TO MASONRY	TO CONCRETE	TO MASONRY	TO CONCRETE	TO MASONRY		
+63.5, -63.5	8"	N/A	N/A	N/A	4"	N/A	8"	N/A	5"	N/A	3 1/2"	N/A	N/A	N/A	N/A	N/A	1 (TOP)	9'-0" OR LESS
	12"	8"	N/A	N/A	11"	10"	12"	9"	12"	8"	11"	11"	12"	7"	N/A	N/A	1 (BOTTOM)	
	12"	N/A	N/A	N/A	11"	N/A	12"	N/A	12"	N/A	11"	N/A	N/A	N/A	N/A	N/A	2 (TOP)	
	12"	8"	N/A	N/A	11"	10"	12"	9"	12"	8"	11"	11"	12"	7"	N/A	N/A	2 (BOTTOM)	
	12"	N/A	N/A	N/A	11"	N/A	12"	N/A	12"	N/A	11"	N/A	N/A	N/A	N/A	N/A	3 (TOP)	
	12"	8"	N/A	N/A	12"	10"	12"	9"	12"	8"	11"	11"	12"	7"	N/A	N/A	3 (BOTTOM)	
	9"	N/A	12"	N/A	5"	N/A	7"	N/A	8"	N/A	11"	N/A	11"	N/A	10"	N/A	4 (TOP/BOTTOM)	
	8"	N/A	11"	N/A	4"	N/A	7"	N/A	7"	N/A	10"	N/A	10"	N/A	9"	N/A	5 (TOP/BOTTOM)	
	12"	N/A	12"	N/A	N/A	N/A	12"	N/A	N/A	N/A	12"	N/A	12"	N/A	12"	N/A	6 (TOP)	
	12"	8"	12"	12"	N/A	N/A	12"	9"	N/A	N/A	12"	11"	12"	7"	12"	6"	6 (BOTTOM)	
	N/A	N/A	N/A	N/A	N/A	N/A	12"	N/A	N/A	N/A	12"	N/A	12"	N/A	N/A	N/A	7 (TOP)	
	12"	7 1/2"	12"	12"	N/A	N/A	12"	9"	N/A	N/A	12"	10"	12"	7"	12"	6"	7 (BOTTOM)	
	10"	N/A	12"	N/A	N/A	N/A	9"	N/A	N/A	N/A	11"	N/A	12"	N/A	11"	N/A	9 (TOP)	
	9"	N/A	12"	N/A	N/A	N/A	7"	N/A	N/A	N/A	11"	N/A	11"	N/A	10"	N/A	9 (BOTTOM)	
	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	12"	11"	N/A	N/A	N/A	N/A	10 (TOP)	
	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	12"	6"	N/A	N/A	N/A	N/A	10 (BOTTOM)	
	12"	N/A	12"	N/A	N/A	N/A	12"	N/A	N/A	N/A	12"	N/A	12"	N/A	12"	N/A	11 (TOP)	
	12"	8"	12"	12"	N/A	N/A	12"	9"	N/A	N/A	12"	11"	12"	7"	12"	6"	11A (BOTTOM)	
	12"	8"	12"	12"	N/A	N/A	12"	12"	N/A	N/A	12"	11"	12"	9"	12"	10"	11B (BOTTOM)	
	10"	N/A	12"	N/A	N/A	N/A	12"	N/A	N/A	N/A	12"	N/A	12"	N/A	11"	N/A	12 (TOP)	
	9"	N/A	12"	N/A	N/A	N/A	4 1/2"	N/A	N/A	N/A	11"	N/A	11"	N/A	10"	N/A	12A (BOTTOM)	
	3"	N/A	3 1/2"	N/A	N/A	N/A	2 1/2"	N/A	N/A	N/A	3"	N/A	3"	N/A	3"	N/A	12B (BOTTOM)	
	10"	N/A	12"	N/A	N/A	N/A	9 1/2"	N/A	N/A	N/A	11"	N/A	12"	N/A	11"	N/A	13 (TOP)	
	9"	N/A	12"	N/A	N/A	N/A	7 1/2"	N/A	N/A	N/A	11"	N/A	11"	N/A	10"	N/A	13A (BOTTOM)	
	3"	N/A	3 1/2"	N/A	N/A	N/A	2 1/2"	N/A	N/A	N/A	3"	N/A	3"	N/A	3"	N/A	13B (BOTTOM)	

E. D. = EDGE DISTANCE

* MAXIMUM ANCHOR SPACINGS ARE VALID FOR 3 1/2" EDGE DISTANCE. FOR E. D. LESS THAN 3 1/2", REDUCE ANCHOR SPACING BY MULTIPLYING SPACING SHOWN ON SCHEDULE BY THE FOLLOWING FACTORS. (NOTE: Min. E. D. FOR CALK-IN ANCHORS IS 2 1/2") FOR THIS OPERATION TO BE POSSIBLE, REDUCED SPACING OBTAINED USING FACTOR SHALL NOT BE LESS THAN MINIMUM SPACING INDICATED FOR EACH ANCHOR TYPE AT ANCHORS LEGEND.


ACTUAL E. D.	FACTOR		
	REGULAR TAPCON, 410 S.S. TAPCON, CRETE-FLEX SS4, ZAMAC NAILING, PANELMATE OR PANELMATE PLUS.	CALK-IN	CF TAP-GRIP
3"	.86	.75	1.00
2 1/2"	.71	.50	.80
2"	.50	-	-

ANCHORS LEGEND

ANCHOR TYPE	Min. ANCHOR SPACING
REGULAR TAPCON, 410 S.S. TAPCON	3.0"
CRETE-FLEX SS4, ZAMAC NAILING, CF TAP-GRIP, PANELMATE OR PANELMATE PLUS.	3.0"
CALK-IN	2.5"

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 07-0111.02
Expiration Date 03/21/2012
By *Healy A. H.*
Miami Dade Product Control
Division

F.B.C.(H.V.H.Z.)/MIAMI-DADE COUNTY

 TILLIT TESTING & ENGINEERING COMPANY 6355 N.W. 38th. St., Ste. 305, VIRGINIA GARDENS, FL 33166 Phone : (305)871-1530 Fax : (305)871-1531 EB-0008719 WALTER A. TILLIT Jr. P. E. FLORIDA Lic. # 44167	0.050" PERFORATED BERTHA ALUMINUM STORM PANEL		DRAWN BY I.A.	
	EASTERN METAL SUPPLY, INC 4268 WESTROADS DRIVE WEST PALM BEACH, FL 33407 PH: (561)-533-6061 FAX: (561)-588-4780		11/20/06 DATE	
		06-290 DRAWING No		SHEET 10 OF 15
REV. No	DESCRIPTION	DATE	REV. No	
1	OLD Q3-143	1/20/06	3	-
2	GENERAL	08/03/07	4	-

AUG 03 2007

**MAXIMUM DESIGN PRESSURE RATING "W" (p.s.f.) AND CORRESPONDING MAXIMUM ANCHOR
SPACING SCHEDULE FOR INSTALLATIONS INTO CONCRETE AND CONCRETE BLOCK STRUCTURES**

MAXIMUM DESIGN LOAD W (p.s.f.)	MAXIMUM ANCHORS SPACING FOR E. D. = 3 1/2"*																APPLICABLE TO SECTIONS # & ANY COMBINATION OF THEM	MAXIMUM PANEL LENGTH "L" (ft.)
	REGULAR TAPCONS		CRETE-FLEX SS4		ZAMAC NAILIN		CALK-IN		CF TAP-GRIP		PANELMATES		PANELMATE PLUS		410 S.S. TAPCON			
	TO CONCRETE	TO MASONRY	TO CONCRETE	TO MASONRY	TO CONCRETE	TO MASONRY	TO CONCRETE	TO MASONRY	TO CONCRETE	TO MASONRY	TO CONCRETE	TO MASONRY	TO CONCRETE	TO MASONRY	TO CONCRETE	TO MASONRY		
+65.0, -65.0	9"	N/A	N/A	N/A	5"	N/A	7"	N/A	7"	N/A	5"	N/A	N/A	N/A	N/A	N/A	4 (TOP/BOTTOM)	9'-0" OR LESS
+65.0, -72.0	7"	N/A	10"	N/A	N/A	N/A	6"	N/A	N/A	N/A	9"	N/A	8"	N/A	8"	N/A	5 (TOP/BOTTOM)	
	N/A	N/A	N/A	N/A	N/A	N/A	12"	N/A	N/A	N/A	12"	N/A	12"	N/A	N/A	N/A	8 (TOP)	
	12"	7"	12"	11"	N/A	N/A	12"	8"	N/A	N/A	12"	9"	12"	6"	12"	5 1/2"	8 (BOTTOM)	

E. D. = EDGE DISTANCE

* MAXIMUM ANCHOR SPACINGS ARE VALID FOR 3 1/2" EDGE DISTANCE. FOR E. D. LESS THAN 3 1/2",
REDUCE ANCHOR SPACING BY MULTIPLYING SPACING SHOWN ON SCHEDULE BY THE FOLLOWING FACTORS.
(NOTE: Min. E. D. FOR CALK-IN ANCHORS IS 2 1/2")
FOR THIS OPERATION TO BE POSSIBLE, REDUCED SPACING OBTAINED USING FACTOR SHALL NOT BE
LESS THAN MINIMUM SPACING INDICATED FOR EACH ANCHOR TYPE AT ANCHORS LEGEND.


ACTUAL E. D.	FACTOR		
	REGULAR TAPCON, 410 S.S. TAPCON, CRETE-FLEX SS4, ZAMAC NAILING, PANELMATE OR PANELMATE PLUS.	CALK-IN	CF TAP-GRIP
3"	.86	.75	1.00
2 1/2"	.71	.50	.80
2"	.50	-	-

ANCHORS LEGEND

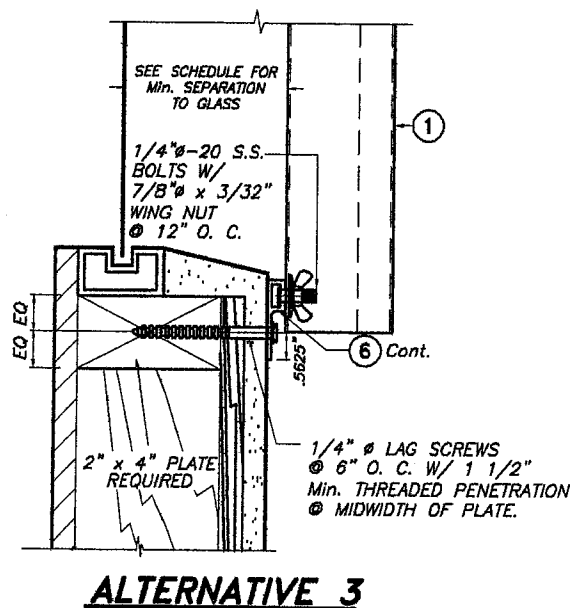
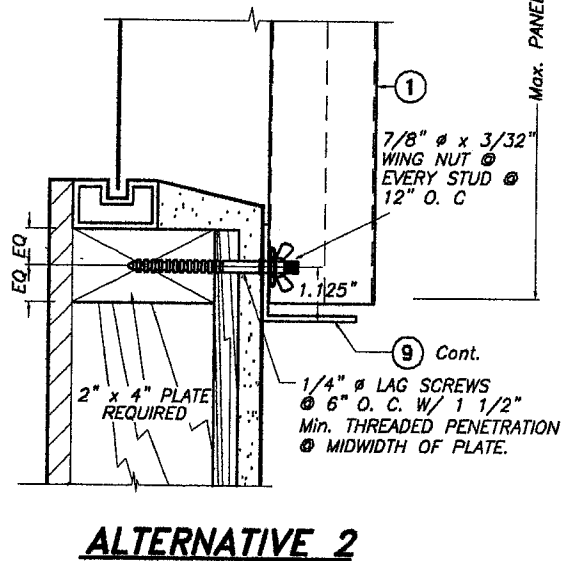
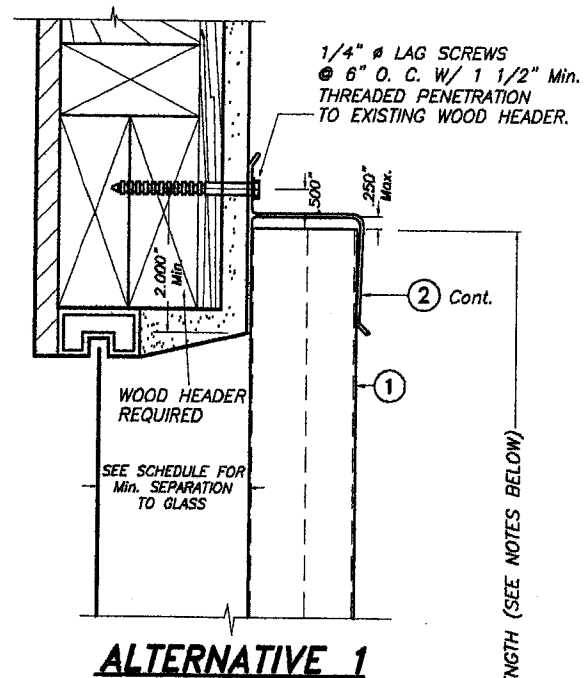
ANCHOR TYPE	Min. ANCHOR SPACING
REGULAR TAPCON, 410 S.S. TAPCON	3.0"
CRETE-FLEX SS4, ZAMAC NAILING, CF TAP-GRIP, PANELMATE OR PANELMATE PLUS.	3.0"
CALK-IN	2.5"

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 07-0111.02
Expiration Date 03/21/2012
By *Helmy A. M. ...*
Miami Dade Product Control
Division

F.B.C.(H.V.H.Z.)/MIAMI-DADE COUNTY

 <p>TILLIT TESTING & ENGINEERING COMPANY 6355 N.W. 36th St., Ste. 305, VIRGINIA GARDENS, FL 33186 Phone: (305)871-1530 Fax: (305)871-1531 EB-0006719 WALTER A. TILLIT Jr., P. E. FLORIDA Lic. # 44167</p>	0.050" PERFORATED BERTHA ALUMINUM STORM PANEL	DRAWN BY I.A.
	EASTERN METAL SUPPLY, INC 4268 WESTROADS DRIVE WEST PALM BEACH, FL 33407 PH: (561)-533-6061 FAX: (561)-588-4780	11/20/06 DATE
	REV. No DESCRIPTION DATE REV. No DESCRIPTION DATE	06-290 DRAWING No
	1 OLD 03-143 11/20/06 2 - - 2 - - 4 - -	SHEET 11 OF 15

Handwritten signature
AUG 03 2007

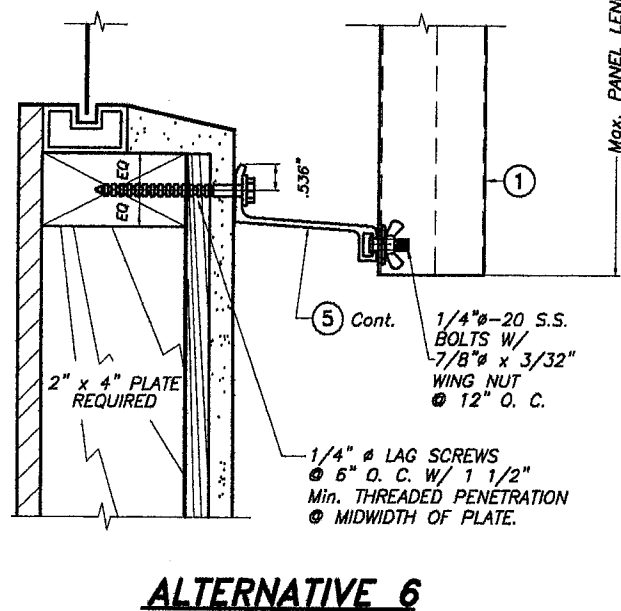
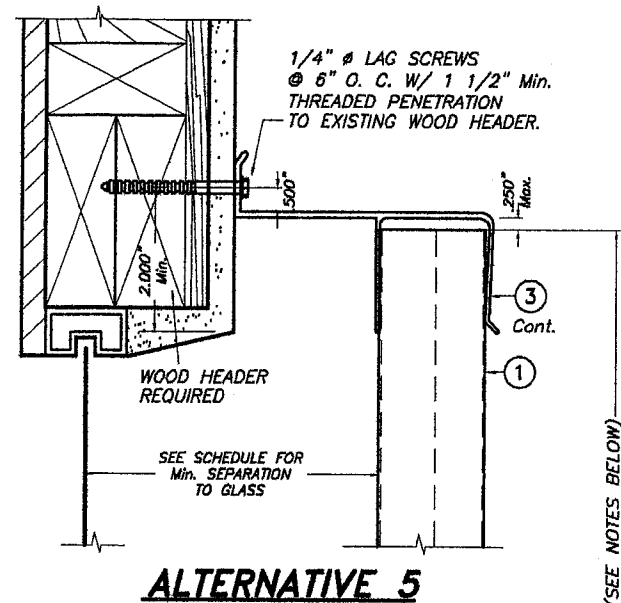


NOTE FOR COMBINATION OF SECTIONS:

WALL MOUNTING SECTIONS CAN BE COMBINED
IN ANY WAY TO SUIT ANY INSTALLATION.

NOTES:

- INSTALLATIONS ARE ONLY VALID FOR DESIGN WIND LOADS UP TO +63.5, -63.5 psf AND PANEL'S LENGTHS UP TO 9'-0".
- FOR NEW WOOD FRAME CONSTRUCTION: WOOD MEMBERS TO BE SOUTHERN PINE No. 2, W/ SPECIFIC DENSITY OF 0.55 OR EQUAL.



**WALL MOUNTING INSTALLATIONS
SECTION A**

SCALE : 1/4" = 1"

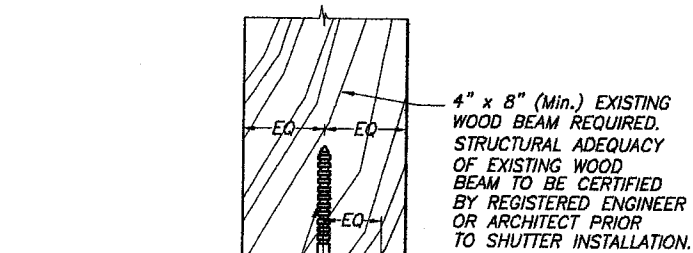
INSTALLATION DETAILS ON EXISTING WOOD BUILDINGS

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 07-0111.02
Expiration Date 03/21/2012
By *Helmy A. M. M.*
Miami Dade Product Control
Division

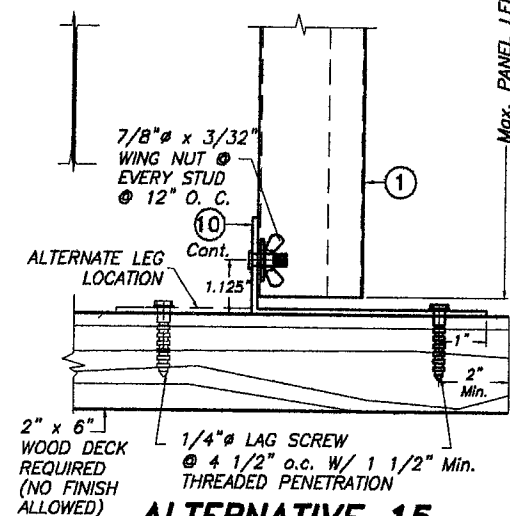
F.B.C.(H.V.H.Z.)/MIAMI-DADE COUNTY

TILTECO INC. TILLIT TESTING & ENGINEERING COMPANY 6335 N.W. 36th St., Ste. 305, VIRGINIA GARDENS, FL 33188 Phone : (305)871-1530 • Fax : (305)871-1531 EB-0006719 WALTER A. TILLIT Jr. P. E. FLORIDA Lic. # 44167		0.050" PERFORATED BERTHA ALUMINUM STORM PANEL			DRAWN BY I.A.
		EASTERN METAL SUPPLY, INC 4288 WESTROADS DRIVE WEST PALM BEACH, FL 33407 PH: (561)-533-6061 FAX: (561)-588-4780			11/20/06 DATE
					06-290 DRAWING No
					SHEET 12 OF 15

AUG 03 2007



ALTERNATIVE 15



ALTERNATIVE 15

CEILING & FLOOR MOUNTING INSTALLATIONS

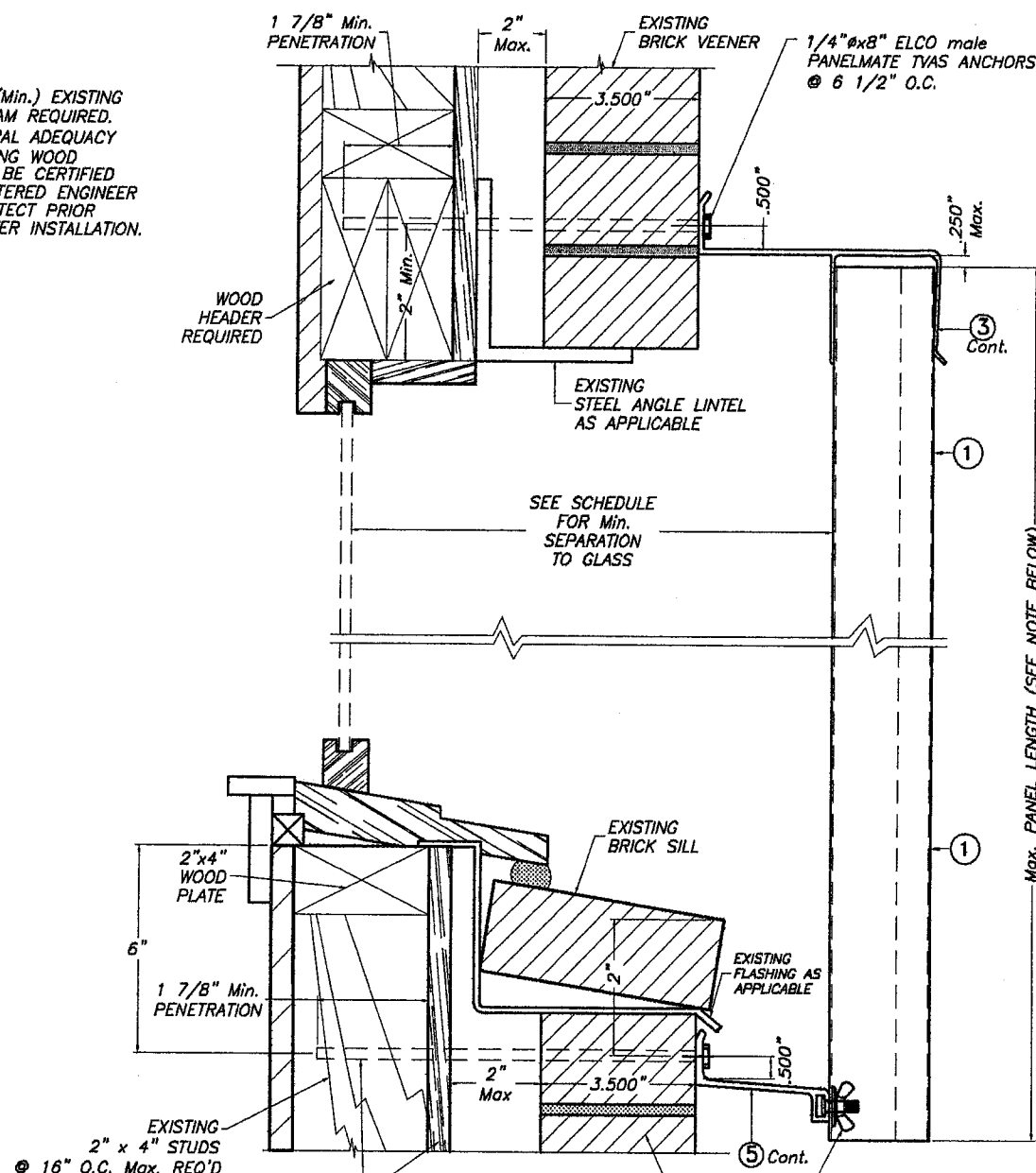
SCALE : 1/4" = 1"

NOTE FOR COMBINATION OF SECTIONS:

WALL/FLOOR/CEILING MOUNTING SECTIONS CAN BE COMBINED IN ANY WAY TO SUIT ANY INSTALLATION.

NOTES:

1. INSTALLATIONS ARE ONLY VALID FOR DESIGN WIND LOADS UP TO +65.0, -65.0 psf AND PANEL'S LENGTHS UP TO 9'-0", EXCEPT AS NOTED.
2. FOR NEW WOOD FRAME CONSTRUCTION: WOOD MEMBERS TO BE SOUTHERN PINE No. 2, W/ SPECIFIC DENSITY OF 0.55 OR EQUAL.



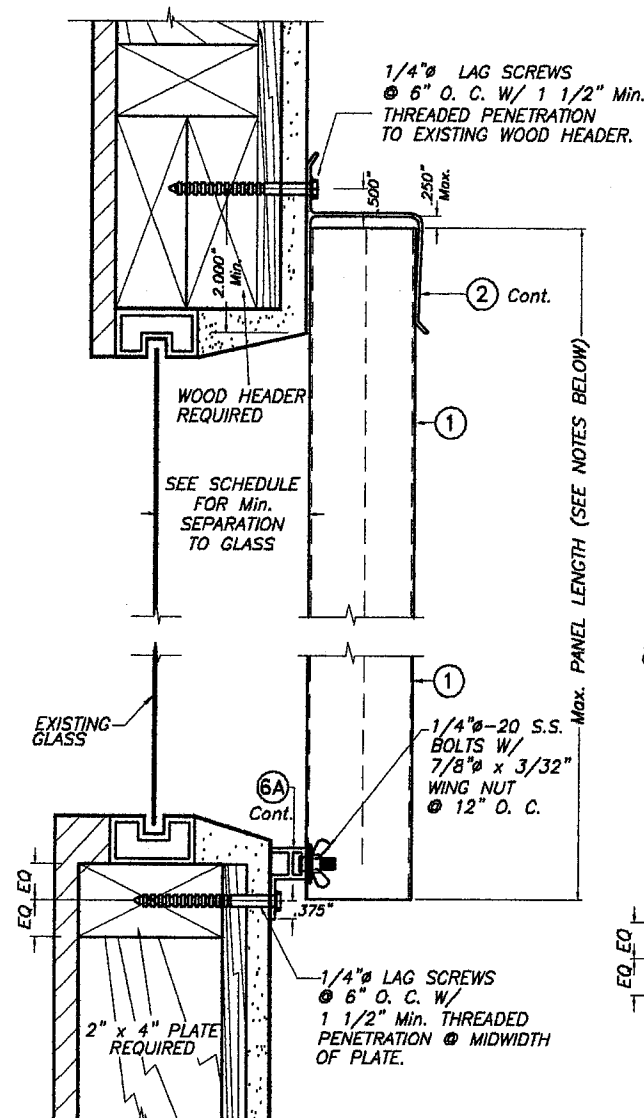
ALTERNATIVE 16 *

* VALID FOR Max. +63.5, -63.5 psf.

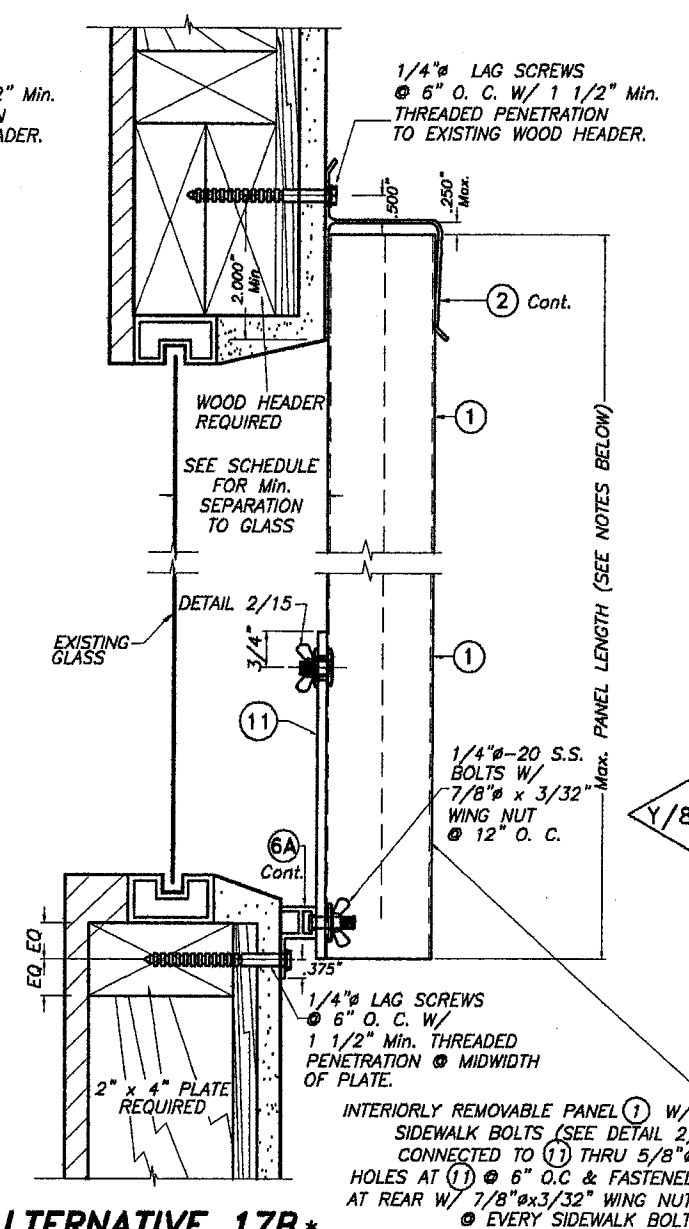
BUILD-OUT INSTALLATION

SCALE : 1/4" = 1"

INSTALLATION DETAILS ON EXISTING WOOD BUILDINGS



ALTERNATIVE 17A *



ALTERNATIVE 17B *

WALL MOUNTING INSTALLATIONS

SECTIONS 17 * VALID FOR Max. +63.5, -63.5 psf.

SCALE : 1/4" = 1"

INSTALLATIONS VALID FOR PANELS (1) USED JOINTLY WITH INTERIORLY REMOVABLE PANELS (1)

PRODUCT REVISED as complying with the Florida Building Code
Acceptance No. 07-0111.02
Expiration Date 03/21/2012
By *Heung A. Lee*
Miami Dade Product Control
F.B.C. (H.V. P. 2) MIAMI-DADE COUNTY

TILTECO INC.
TILLIT TESTING & ENGINEERING COMPANY
6335 N.W. 36th St., Ste. 305, VIRGINIA GARDENS, FL 33168
Phone : (305) 871-1530 • Fax : (305) 871-1531
EB-0006719
WALTER A. TILLIT Jr. P. E.
FLORIDA Lic. # 44167

0.050" PERFORATED BERTHA ALUMINUM STORM PANEL

EASTERN METAL SUPPLY, INC

4268 WESTROADS DRIVE
WEST PALM BEACH, FL 33407
PH: (561)-533-6061 FAX: (561)-588-4780

REV. No	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1	OLD 03-143	11/20/06	3	-	-
2	-	-	4	-	-

DRAWN BY I.A.

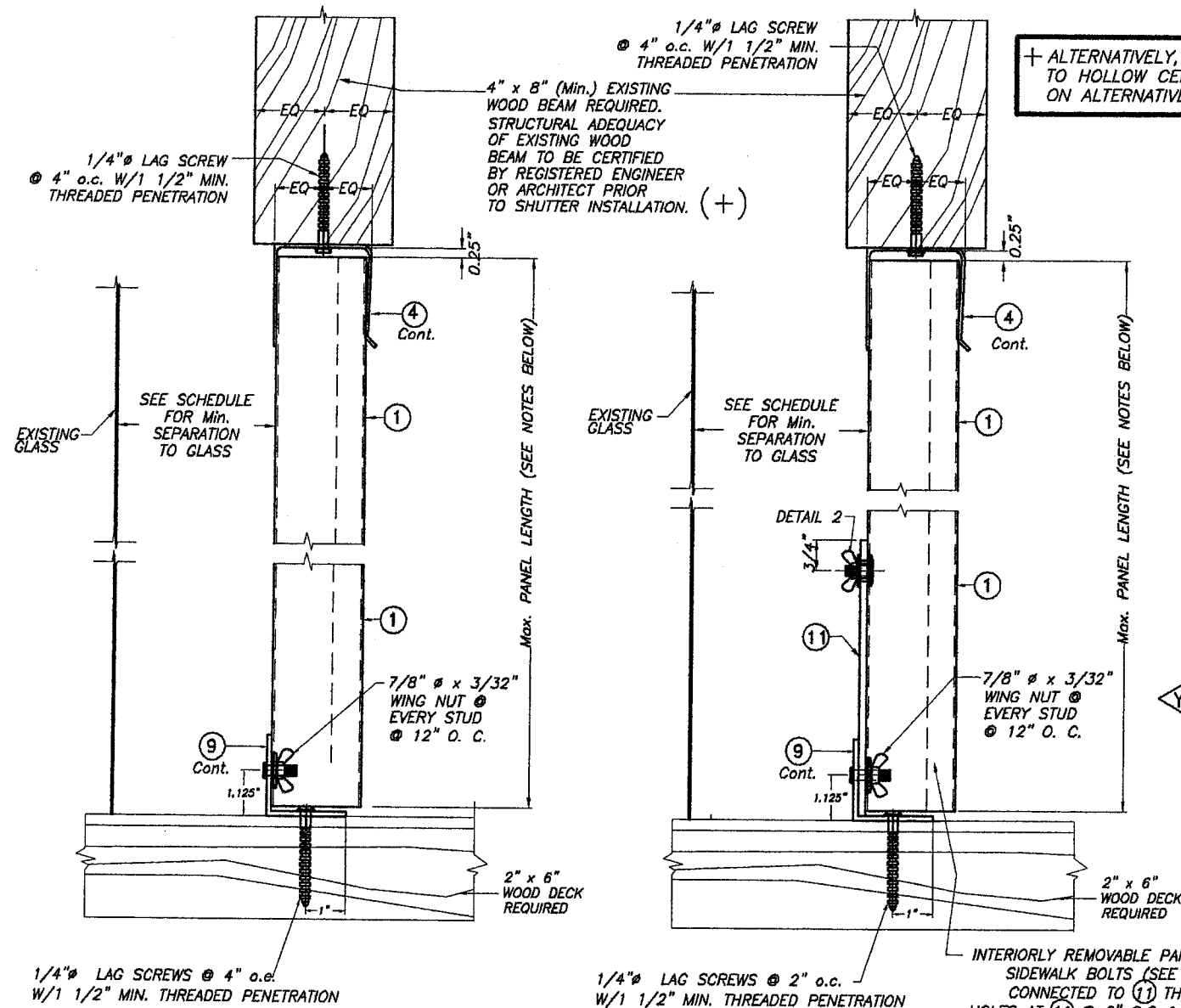
11/20/06 DATE

06-290

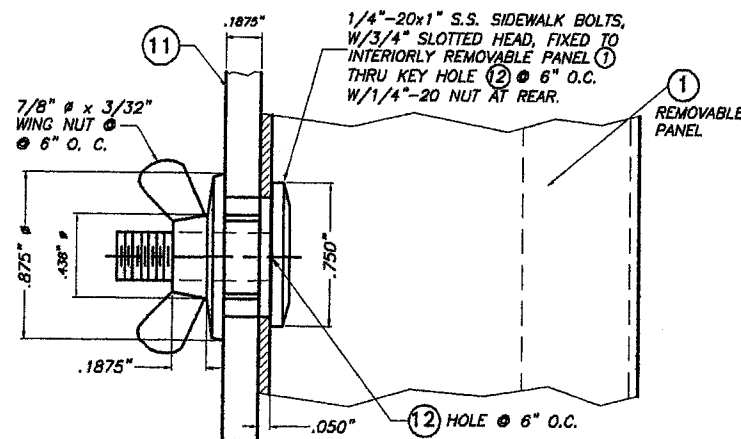
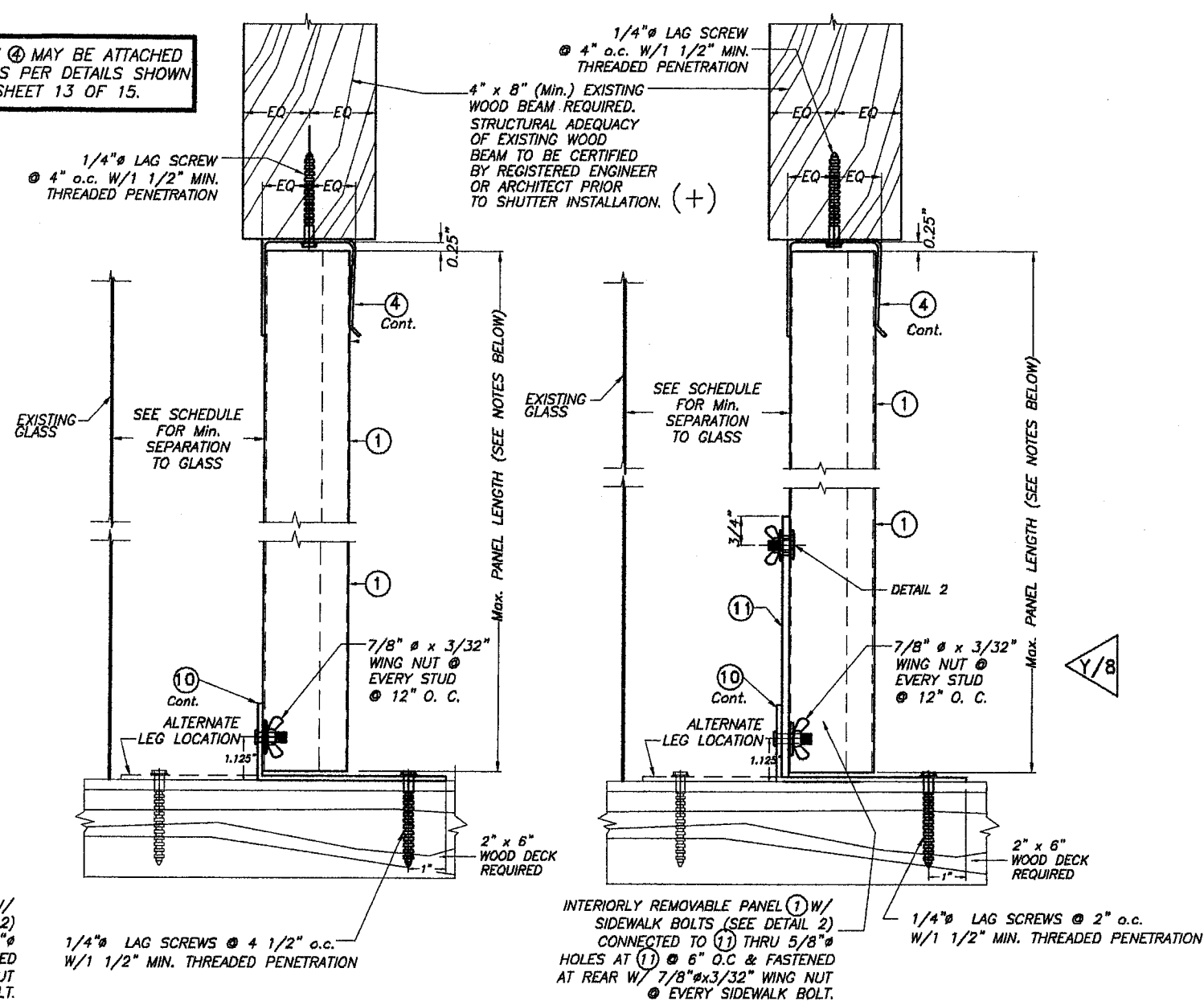
DRAWING No

SHEET 14 OF 15

AUG 03 2007



+ ALTERNATIVELY, TRACK ④ MAY BE ATTACHED TO HOLLOW CEILING AS PER DETAILS SHOWN ON ALTERNATIVE 9A, SHEET 13 OF 15.



NOTE FOR COMBINATION OF SECTIONS:

FLOOR/CEILING MOUNTING SECTIONS CAN BE COMBINED IN ANY WAY TO SUIT ANY INSTALLATION.

NOTES:

1. INSTALLATIONS ARE ONLY VALID FOR DESIGN WIND LOADS UP TO +65.0, -65.0 psf AND PANEL'S LENGTHS UP TO 9'-0".
2. FOR NEW WOOD FRAME CONSTRUCTION: WOOD MEMBERS TO BE SOUTHERN PINE No. 2, W/ SPECIFIC DENSITY OF 0.55 OR EQUAL.

INSTALLATION DETAILS ON EXISTING WOOD BUILDINGS

PRODUCT REVISED
 as complying with the Florida Building Code
 Acceptance No 07-0111.02
 Expiration Date 03/21/2012
 By *Heather A. Miller*
 Miami Dade Contract Control Division

AUG 08 2007

TILLIT TESTING & ENGINEERING COMPANY

8355 N.W. 38th. St., Ste. 305, VIRGINIA GARDENS, FL 33188

Phone : (305) 871-1530 . Fax : (305) 871-1531

EB-0006719

WALTER A. TILLIT Jr. P. E.

FLORIDA Lic. # 44167

0.050" PERFORATED BERTHA ALUMINUM STORM PANEL

DRAWN BY
I.A.

EASTERN METAL SUPPLY, INC

4268 WESTROADS DRIVE

WEST PALM BEACH, FL 33407

PH: (561)-533-6061

FAX: (561)-588-4780

11/20/06
DATE

06-290

DRAWING No

REV. No	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1	OLD 03-143	11/20/06	3	-	-
2	-	-	4	-	-

SHEET 15 OF 15

F.B.C.(H.V.H.Z.)/MIAMI-DADE COUNTY